

# SKIL

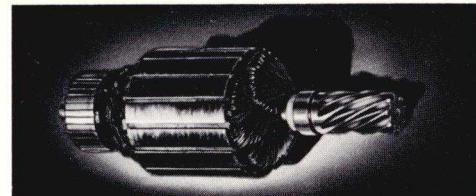
## POWER TOOLS



1963 INDUS  
CATAL

the time & money saving tools  
in this catalog prove ...

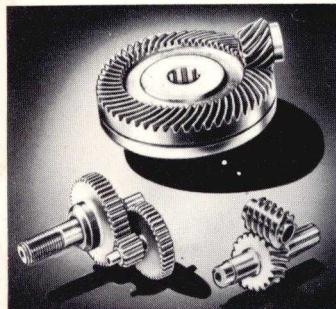
# SKIL LEADS THE WORLD IN THE DEVELOPMENT OF NEW & BETTER POWER TOOLS



## SUPER BURNOUT PROTECTED MOTORS

Only Skil gives every electric motor it builds this important double protection:

1. Commutator bars and wire leads are welded in position (never soldered) so they can't melt.
2. Motor windings are dip coated in "Permafil" insulation that bonds windings in place; cures to super tough coating that resists moisture, withstands high temperature overloads.



### PRECISION GEARS

High quality, alloy steel accurately heat-treated for long life.



### LIGHT, STURDY HOUSINGS

Rugged and compact, yet lightweight aluminum housings.



### HEAVY DUTY BEARINGS

High strength, specially engineered to handle thrust or radial loads.



### FAST FACTORY SERVICE

42 Factory Service Centers plus 71 Authorized Service Stations.

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## YOUR SKIL GUARANTEE

Every SKIL product is thoroughly tested and inspected before it leaves our factory. Should it fail to give satisfactory service, return the complete product to our nearest Factory Service Center, to our Factory, or to an Authorized Service Station, with transportation charges prepaid. We guarantee to replace free of charge any part or parts found by us to be defective due to faulty material or workmanship, provided repairs have not been made or attempted by others. This guarantee does not cover damage caused by misuse, negligent handling, or normal "wear and tear." No other guarantee, written or verbal, on our products is authorized by us.

## PRICES AND ORDERS

Prices of all SKIL tools and accessories are always net to the user unless otherwise indicated, and are subject to change without notice. Orders are subject to acceptance by the factory in Chicago, and will be invoiced at prices in effect on date of shipment. Applicable federal or state taxes will be added to published prices. To keep current price data in your hands, a complete numerical price list is issued separately at intervals. We reserve the right to substitute materials used in manufacture other than those specified in this catalog. Specifications subject to change without notice.

**SKIL... the power tool people with new ideas!**

**SKIL Corporation**

5033 Elston Avenue • Chicago 30, Illinois  
Phone: Area Code 312 . Avenue 6-2000

# SKIL ROTO- HAMMERS



**NEW!**



**NEW!**

**EXCLUSIVE! Only small hammers with 3-way action...**



**Hammering with Power Rotation:** For making holes in masonry fast, easy, and at absolutely lowest cost! Has powerful hammering blows combined with power rotation of Skil Carbide Bit. No tedious hand rotating of star drills.



**Hammering without Rotation:** For doing scores of hammering jobs such as tuck-pointing, chiseling, channeling, chipping, riveting, slotting. Their light weight plus powerful hammering makes Model 706 and 1706 perfect tuckpointing tools!



**Drilling without Hammering:** For drilling in wood, metal, plastic. Does all jobs a regular  $\frac{3}{8}$ " electric drill will do. Desirable also when boring holes close-to-edges in masonry (where hammering may possibly chip material).

## SPECIFICATIONS

**equipment:** Both models include steel carrying case, depth gauge, tool retainer, hammering tool adapter, chisel lock, side handle, hex wrench and tube of grease. Model 706 has 3 wire cord and plug (unnecessary on Model 1706 which has 2 wire cord and plug).

**motor:** Universal A.C. or D.C. up to 60 cycles. 115 volts unless otherwise specified on order.

**bearings:** Ball and needle bearing construction.



model no.	capacities (dia. of holes drilled with various SKIL percussion-rotary bits)			no. of blows per minute	R.P.M.	115 volt amp rating	overall length	net wgt. lbs.	ship. /gt. lbs.
	percussion-type carbide bits (fluted)	"flat-tip" carbide bits	steel bits						
706	$\frac{3}{16}$ " - $\frac{5}{8}$ "	$\frac{7}{16}$ " - $1\frac{1}{16}$ "	$1\frac{1}{16}$ " - $\frac{5}{16}$ "	2400	800	4.5	$10\frac{1}{4}$ "	7	13
1706	$\frac{3}{16}$ " - $\frac{5}{8}$ "	$\frac{7}{16}$ " - $1\frac{1}{16}$ "	$1\frac{1}{16}$ " - $\frac{5}{16}$ "	2400	800	4.5	$10\frac{1}{4}$ "	7	13

# SKIL ROTO- HAMMERS

## NEWEST VERSIONS OF THE HAMMERS THAT REVOLUTIONIZED MASONRY DRILLING!

### NEW MODEL 726\* — for making 11/64" to 1 1/2" dia. holes in masonry

World's largest selling hammer! Has amazing, exclusive 3-way action!

1. Hammers with automatic power rotation for fastest, lowest cost per hole masonry drilling.
2. Hammers without power rotation for channeling, chiseling, demolition work, etc.
3. Drills without hammering — for doing all the jobs a 1/2" electric drill will do!

Unequalled versatility too! Uses four types of percussion-rotary bits for drilling masonry holes . . . (1) fluted Carbide Bits for making holes 1/4" to 1 1/8" dia. (2) "Flat-Tip" Carbide Bits for drilling flat-bottom holes for secure setting of anchors, expansion shields. (3) Carbide tipped Core Bits for drilling large diameter holes (1 1/4" to 1 1/2") in reinforced concrete. (4) Steel Bits for drilling holes as small as 11/64" dia. Large assortment of hammering tools and other accessories also available. (See pages 6 thru 10 for complete accessory information.)

Other features include depth gauge for drilling to uniform depth, swing-away tool retainer for fast accessory changing. Has oversized bearings, heat-treated steel gears, heat-treated aluminum piston and hardened alloy steel striker. Piston and striker have self-adjusting rings that compensate for wear. (See next page for full information on features.)



### NOW! BOTH MODELS HAVE THESE FIVE NEW ADVANCES!...

**NEW! HIGH VELOCITY AIR FILTER SYSTEM** — keeps dust out, lets Roto-Hammers "breathe" clean, fresh air. Result: Maintenance costs are lowest ever; Roto-Hammers do all jobs up to 20% faster (see next page for full details).

**NEW! SUPER BURNOUT PROTECTION MOTORS** — Two ways better — 1. Wire leads are welded in position (never soldered) so they can't melt. 2. Motor windings are dip coated in Permafil insulation that withstands overloads.

**NEW! SILICON RUBBER SHOCK ABSORBERS** — hold motor-windings securely in position under heavy use, continuous vibration.

**NEW! LONG LIFE BRUSHES** — for maximum commutation.

**NEW! STRONG, PRECISION DIE CAST HOUSINGS** ribbed for added strength.

### NEW MODEL 736\* — for making 1/2" to 3 1/2" dia. holes in masonry

Similar to Model 726 except that Model 736 is built for heaviest duty work (see capacities below) and for heavy demolition work. Has same 3-way action as Model 726 permitting its use as hammer with power rotation, as hammer without rotation or as 3/4" electric drill without hammering. Has special spring mounted tool retainer.

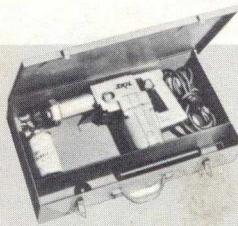


### SPECIFICATIONS

**equipment:** Both models include steel carrying case, depth gauge, tool retainer (Model 726 also includes chisel lock), side handle, hex wrench, can of oil and dust shield.

**motor:** Universal a.c. or d.c. up to 60 cycles. 115 volts unless otherwise specified on order.

**bearings:** Ball and needle bearing construction.

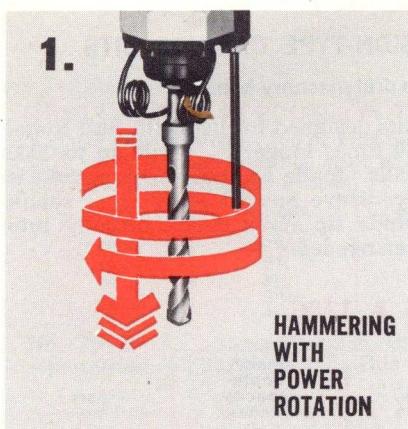


CAPACITIES (dia. holes drilled with various SKIL percussion-rotary bits)					no. of blows per minute	revolutions per minute	115 volt amp rating	overall length	net wgt. lbs.	ship. wgt. lbs.
model no.	percussion- type carbide bits (fluted)	carbide tipped core bits	"flat-tip" carbide bits	steel bits						
726	1/4"—1 1/8"	1 1/4"—1 1/2"	7/16"—1 1/8"	1 1/8"—5/16"	2400	520	5.5	15 1/4"	13 3/4	36
736	1/2"—2"	1 3/4"—3 1/2"	1 1/8"—1 1/8"	—	2200	315	7.0	18 3/4"	24 3/4	52

\*Includes patented features and features on which patents are pending.

# EXCLUSIVE! ONLY SKIL ROTO-HAMMERS HAVE THIS 3-WAY ACTION!

5



HAMMERING  
WITH  
POWER  
ROTATION



HAMMERING  
WITHOUT  
ROTATION



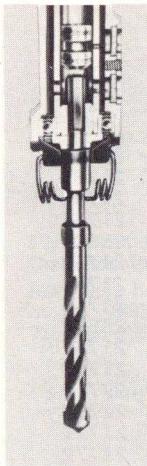
DRILLING  
WITHOUT  
HAMMERING

For making holes in masonry fast, easy and at absolutely lowest cost! Provides powerful hammering blows combined with power rotation of carbide bit. No hand turning of star drills!

For doing all regular hammering jobs such as channeling, chiseling, chipping, slotting, pointing, riveting, breaking-up masonry, surfacing concrete, routing timber, demolition work.

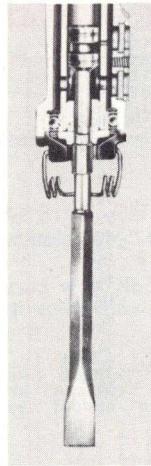
For drilling in wood, metal, plastic—doing every job an electric drill will do! Useful also for boring holes close-to-edges in masonry (where hammering may chip material).

## HOW SKIL 3-WAY ACTION WORKS IN MODELS 726 & 736...



HAMMERING WITH POWER  
ROTATION

When inserted into the hammer's nose, SKIL hexagon shanked Carbide Bits engage in a constantly rotating inner barrel. They also extend into the hammering chamber to provide both power rotation and hammering action.



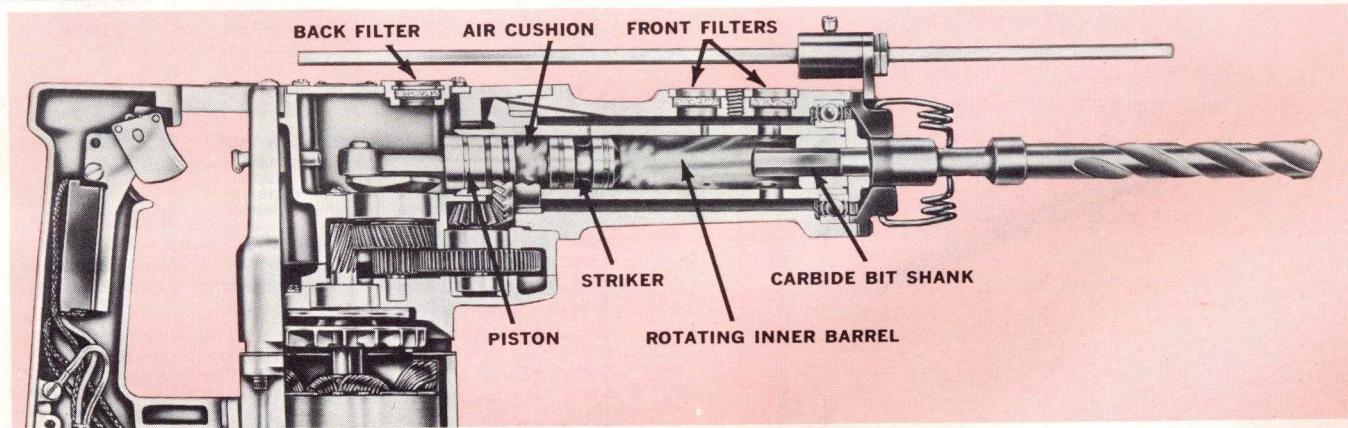
HAMMERING WITHOUT  
ROTATION

Because chuck wrenches and hammering tools have round shanks, they extend into the hammering chamber but do not engage the inner barrel which simply revolves freely about them so that hammering action only occurs.



DRILLING WITHOUT  
HAMMERING

For drilling action without hammering, a shorter shanked Drill Chuck Adapter (available as an accessory) is inserted into the hammer nose. This permits the hammer striker to fall below its vacuum chamber and remain inactive.



## ONLY SKIL MODELS 726 & 736 HAVE AIR FILTERED ELECTRO-PNEUMATIC DRIVE

... for fastest masonry drilling, lowest maintenance costs.

Here's how it works:

As the piston travels upward, it creates a temporary vacuum which draws the striker up. Front filters "breathe in" clean, fresh air while "spent" air is expelled at back filter.

When the piston reaches the top of its stroke, it starts down while the striker continues up. This creates a tremendous air compression between the piston and striker (illustrated).

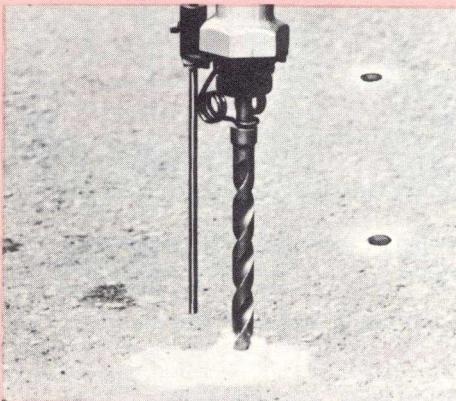
This air cushion prevents piston-striker contact and is the driving force that reverses the striker's direction and sends it down to deliver a powerful blow to the bit shank. As this happens, fresh air is drawn in at the back filter and "spent" air exhausted thru the inner barrel and out the front filters. More than 2000 of these blows are delivered per minute. At the same time, inner barrel is constantly rotating to provide simultaneous hammering and rotation.

**RESULT: SKIL ROTO-HAMMERS ARE WORLD'S FASTEST, EASIEST,  
LOWEST COST WAY TO DRILL HOLES IN MASONRY**

# SKIL

## ROTO-HAMMER

### ACCESSORIES



Bits on this page drill masonry holes fast, easy and at lowest cost per hole. Carefully made to withstand Roto-Hammer's combination hammering and power rotation.

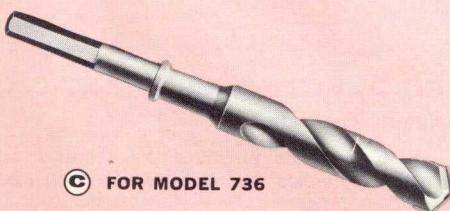
#### ONE PIECE PERCUSSION-TYPE CARBIDE BITS



**(A) FOR MODELS 706 & 1706**



**(B) FOR MODEL 726**



**(C) FOR MODEL 736**

#### ONE PIECE PERCUSSION-TYPE CARBIDE BITS

Fastest, lowest cost way to drill masonry holes!

Special fluted Carbide Bits designed for use with Skil Roto-Hammers. Last up to 30 times longer . . . drill up to 1000 more holes than star drills. Made so that resharpening is not ordinarily necessary. Have special alloy steel shank and highest quality carbide tip. Bits chuck directly into hammer nose. No adapter needed.

#### **(A) FOR MODELS 706 & 1706**

point dia., inches	length, inches	max.* depth capacity, inches	part no.
5/8	7 1/2	3	26906
3/8	11	6 1/4	26907
1/2	11	6 1/4	26909
1/2	16 1/2	11 3/4	26910
5/16	11	6 1/4	26911
5/8	11	6 1/4	26912

#### **(B) FOR MODEL 726**

point dia., inches	length, inches	max.* depth capacity, inches	part no.
1/2	10	4 1/2	25500
1/2	16	10 1/4	21759
1/2	22	16 1/4	21760
5/16	12	6 1/4	21761
5/8	10	4 1/2	25501
5/8	16	10 1/4	21763
5/8	22	16 1/4	21764
1 1/16	12	6 1/4	21765
3/4	10	4 1/2	25502
3/4	16	10 1/4	21767
3/4	22	16 1/4	21768
7/8	12	6 1/4	21769
7/8	22	16 1/4	21770
1	12	6 1/4	21771
1	22	16 1/4	21772
1 1/8	12	6 1/4	21927
1 1/8	22	16 1/4	21928

#### **(C) FOR MODEL 736**

point dia., inches	length, inches	max.* depth capacity, inches	part no.
5/4	14	6 1/4	22782
5/4	24	16 1/4	22783
7/8	14	6 1/4	22784
7/8	24	16 1/4	22785
1	14	6 1/4	22786
1	24	16 1/4	22787
1 1/8	14	6 1/4	22788
1 1/8	24	16 1/4	22789
1 1/4	14	6 1/4	22790
1 1/4	24	16 1/4	22791
1 3/8	14	6 1/4	22792
1 3/8	24	16 1/4	22793
1 1/2	14	6 1/4	22794
1 1/2	24	16 1/4	22795
1 1/8	14	6	25250
1 3/4	14	6	22796
1 3/4	24	16	22797
2	14	6	22798
2	24	16	22799

\* IMPORTANT — In drilling, do not exceed maximum depth capacities indicated. To do so may result in premature bit failure.

# SKIL ROTO-HAMMER ACCESSORIES

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## D "S" TAPER PERCUSSION-TYPE CARBIDE BITS

For use only in Models 706 or 1706 to drill smaller diameter holes ( $\frac{3}{16}$ " to  $\frac{3}{8}$ ") than possible with one piece bits. Must be used with No. 26426 Adapter Shank.

point dia., inches	overall length, inches	max. depth capacity, inches	part no.
$\frac{3}{16}$	2 $\frac{3}{4}$	1 $\frac{1}{2}$	26938
$\frac{1}{4}$	3 $\frac{3}{16}$	2	26918
$\frac{5}{16}$	3 $\frac{11}{16}$	2 $\frac{1}{2}$	26919
$\frac{3}{8}$	4 $\frac{1}{16}$	3	26930

No. 26426 "S" Taper Carbide Bit Adapter Shank required when using "S" Taper Carbide Bits in Model 706 or 1706.

## E "A" TAPER PERCUSSION-TYPE CARBIDE BITS

For use only in Model 726 to drill smaller diameter holes ( $\frac{1}{4}$ " to  $\frac{1}{2}$ ") than possible with one piece bits.

Must be used with No. 19367 Adapter Shank. If bit breakage is a problem when drilling very hard materials with No. 19377 or 19376, consider using low cost "S" Taper Steel Bits (see page 8).

point dia., inches	overall length, inches	max. depth capacity, inches	part no.
$\frac{1}{4}$	4	2	19377
$\frac{3}{16}$	4 $\frac{1}{2}$	2 $\frac{1}{2}$	19376
$\frac{5}{16}$	5	3	19277
$\frac{3}{8}$	9	6 $\frac{1}{4}$	25255
$\frac{7}{16}$	5	3	19375
$\frac{1}{2}$	5 $\frac{1}{2}$	3 $\frac{1}{2}$	25254
$\frac{1}{2}$	9	6 $\frac{1}{4}$	20517

No. 19367 "A" Taper Carbide Bit Adapter Shank—required when using "A" Taper Bits in Model 1726.

## F "B" TAPER PERCUSSION-TYPE CARBIDE BITS

For use in Model 736 to drill smaller diameter holes ( $\frac{1}{2}$ " to 1") than possible with one piece bits.

May also be used with Model 726. Must be used with No. 23601 or No. 18932 Adapter Shank which chuck directly into Model 736 and 726 respectively.

point dia., inches	overall length, inches	max. depth capacity, inches	part no.	point dia., inches	overall length, inches	max. depth capacity, inches	part no.
$\frac{1}{2}$	9	6 $\frac{1}{4}$	19374	$\frac{1}{4}$	18	16 $\frac{1}{4}$	19379
$\frac{1}{2}$	18	16 $\frac{1}{4}$	19382	$\frac{3}{4}$	9	6 $\frac{1}{4}$	18969
$\frac{3}{16}$	9	6 $\frac{1}{4}$	19373	$\frac{3}{4}$	18	16 $\frac{1}{4}$	19378
$\frac{3}{16}$	18	16 $\frac{1}{4}$	19381	$\frac{7}{8}$	9	6 $\frac{1}{4}$	19522
$\frac{5}{16}$	9	6 $\frac{1}{4}$	19275	$\frac{7}{8}$	18	16 $\frac{1}{4}$	19523
$\frac{5}{16}$	18	16 $\frac{1}{4}$	19380	1	9	6 $\frac{1}{4}$	19524
$1\frac{1}{16}$	9	6 $\frac{1}{4}$	19372	1	18	16 $\frac{1}{4}$	19525

No. 23601 "B" Taper Adapter Shank—required when using "B" Taper Bits in Model 736 Roto-Hammer.

No. 18932 "B" Taper Adapter Shank—required when using "B" Taper Bits in Model 726 Roto-Hammer.

## G CARBIDE TIP CORE BITS

New, hollow-core, percussion-type, carbide-tipped bits for drilling large diameter masonry holes. Super tough for drilling right through steel reinforcing rods embedded in concrete!

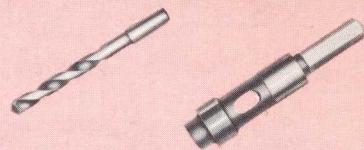
Lowest cost per hole way to drill big masonry holes. Eliminates need of expensive rig equipment. Heat treated alloy steel with carbide inserted around perimeter. Specially made to stand up under combination hammering and power rotation of Skil Roto-Hammers. Chuck directly into hammer nose.

### FOR MODEL 726 ROTO-HAMMER

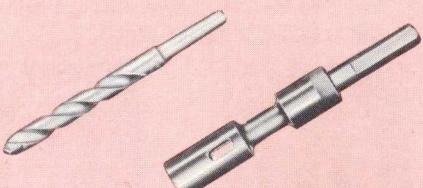
effective drilling dia., inches	overall length, inches	part no.	effective drilling dia., inches	overall length, inches	part no.		
$1\frac{1}{4}$	8 $\frac{1}{2}$	14 $\frac{1}{2}$	23782	$1\frac{3}{4}$	10	18 $\frac{1}{4}$	23791
$1\frac{3}{8}$	8 $\frac{1}{2}$	14 $\frac{1}{2}$	25257	2	10	18 $\frac{1}{4}$	23792
$1\frac{1}{2}$	8 $\frac{1}{2}$	14 $\frac{1}{2}$	23783	$2\frac{1}{2}$	10	18 $\frac{1}{2}$	23793

Note: Replacement Carbide tips for Core Bits are available from your SKIL Factory Service Center.

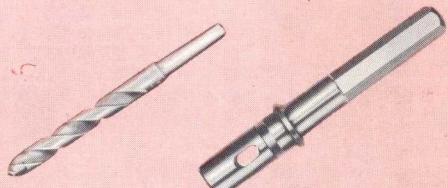
No. 24419 Extra Long Side Handle—for maximum control when core drilling with Model 726 or 736 Roto-Hammer. 23" long, extra heavy duty construction.



D "S" TAPER PERCUSSION-TYPE CARBIDE BIT & ADAPTER SHANK



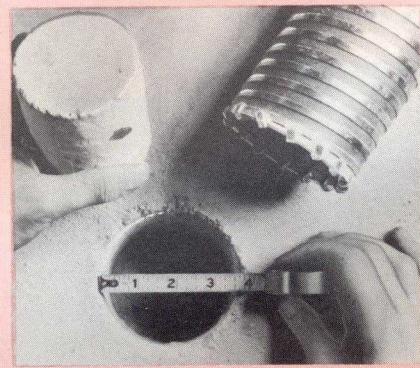
E "A" TAPER PERCUSSION-TYPE CARBIDE BIT & ADAPTER SHANK



F "B" TAPER PERCUSSION-TYPE CARBIDE BIT & ADAPTER SHANK



G CARBIDE TIP CORE BITS



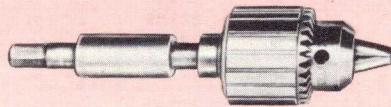
Skil Core Bits  
drill holes as big  
as 3  $\frac{1}{2}$ " diameter  
in reinforced  
concrete.

# SKIL

## ROTO-HAMMER ACCESSORIES



Drill Chuck and Adapter converts Roto-Hammer into powerful electric drill for drilling close to the edge in masonry (with rotary masonry bits) or drilling in wood, metal, etc.



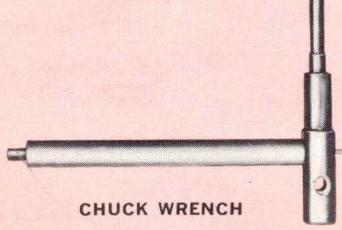
DRILL CHUCK & ADAPTER



ROTARY CARBIDE BIT  
(Masonry Type)



STAR DRILL



CHUCK WRENCH

### OTHER ROTO-HAMMER ACCESSORIES

**DRIFT KEYS**—for removing "S", "A" and "B" Taper Bits and Star Drills from holders and adapters.

No. 19368—for Models 706, 1706 & 726

No. 2341—for Model 736

**DUST SHIELDS**—Keep dust out of hammer nose. Particularly useful on overhead work.

No. 23449—same as furnished with Model 726

No. 20940—same as furnished with Model 736

No. 26427 Hammering Tool Adapter—same as furnished with Models 706 & 1706. Required for using hammering tools in these two models.

No. 23115 Silicon Carbide Grinding Wheel—for use on bench grinders for sharpening carbide bits. 6" x 3/4"; 1/2" arbor; 100 grit. Max. safe operating speed—4140 r.p.m.

### DRILL CHUCKS AND ADAPTERS

Permit Roto-Hammers to be used exactly like regular electric drills for drilling wood, steel, tile, plastic, masonry etc. Order both chuck adapter and drill chuck.

#### TO CONVERT MODEL 706 OR 1706 INTO 3/8" DRILL, ORDER:

No. 26377—Chuck Adapter  
No. 21384—3/8" Drill Chuck and Key

#### TO CONVERT MODEL 726 INTO 1/2" DRILL, ORDER:

No. 22174—Chuck Adapter  
No. 1771—1/2" Drill Chuck and Key

#### TO CONVERT MODEL 736 INTO 3/4" DRILL, ORDER:

No. 22779—Chuck Adapter  
No. 1765—3/4" Drill Chuck and Key

### ROTARY CARBIDE BITS (masonry type)

For use in Roto-Hammers equipped with chuck adapter and drill chuck. Particularly effective when drilling masonry where hammering action may cause chipping or cracking of material (see picture at left).

point dia.	shank dia.	overall length	part no.
1/4"	1/4"	6"	22128
5/16"	1/4"	6"	22129
3/8"	1/4"	6"	22130
7/16"	3/8"	6"	22131
1/2"	3/8"	6"	22132

### STAR DRILLS

High quality, forged steel Star Drills for use with SKIL Model 726 & 736 Roto-Hammers (as indicated) and other makes of hammers with "A", "B" and "C" taper chuck wrenches. Provide hammering action without power rotation when mounted in Model 726 and 736. "A", "B" and "C" Star Drills packed 5 per carton. Order in lots of 5 for convenience.

#### "A" TAPER STAR DRILLS For Model 726 only.

point dia.	overall length	part no.
1/4"	5"	15445
5/16"	5"	20518
3/8"	5"	15405
7/16"	5"	20519
1/2"	9"	15406
9/16"	9"	20520
5/8"	9"	15407
1 1/16"	9"	20521
1/2"	9"	15408

No. 20513 Chuck Wrench For use with "A" Taper Star Drills.

#### "B" TAPER STAR DRILLS For Models 726 and 736.

point dia.	overall length	part no.
3/4"	9"	6070
9/16"	18"	6071
13/16"	9"	20522
7/8"	9"	6072
7/8"	18"	6073
15/16"	9"	20523
1"	9"	6074
1"	18"	6075
1 1/8"	9"	6076
1 1/8"	18"	6077

No. 20515 Chuck Wrench For using "B" Taper Star Drills in Model 726.

No. 22781 Chuck Wrench For using "B" Taper Star Drills in Model 736.

#### "C" TAPER STAR DRILLS For Model 736.

point dia.	overall length	part no.
1"	12"	20962
1"	24"	20963
1 1/8"	12"	20964
1 1/8"	24"	20965
1 1/4"	12"	20966
1 1/4"	24"	20967
1 3/8"	12"	20968
1 3/8"	24"	20969
1 1/2"	12"	20970
1 1/2"	24"	20971

No. 22762 Chuck Wrench For use with "C" Taper Star Drills.

#### LARGE DIA. STAR DRILLS For Model 736.

point dia.	overall length	part no.
1 3/4"	18"	22763
1 3/4"	30"	22764
2"	18"	22765
2"	30"	22766

No. 21224 Turning Handle For use with large Diameter Star Drills.

No. 25667 Tube of Grease (6 oz.)—for Models 706 & 1706

No. 20525 One Pint Lubricating Oil in Oil Can  
—for Models 726 & 736

No. 23144 One-Half Gallon Lubricating Oil  
—for Models 726 & 736

**TOOL RETAINERS**—for holding bits, adapters, hammer tools in place.

No. 26323—for Models 706 & 1706

No. 20511—for Model 726

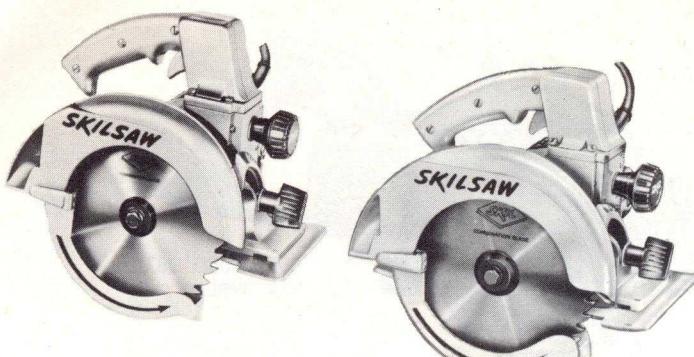
**CARRYING CASES**—same as furnished with hammers.

No. 26398—for Models 706 & 1706

No. 25539—for Model 726

No. 25600—for Model 736—Type 3.

No. 22800—for Model 736—Types 1 and 2.



6 1/2" MODEL 856\*  
(2 1/8" depth of cut)

7 1/4" MODEL 857\*  
(2 1/4" depth of cut)



8 1/4" MODEL 858\*  
(2 3/4" depth of cut)

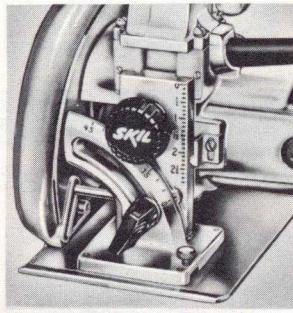
Four fast cutting, super powered models — from 6 1/2" model perfect for most home construction work to 10" model for heaviest duty jobs.

These Skil Top Handle Super Duty Saws are built for day-in, day-out professional use. All four models have Skil S.B.P. Motors for Super Burnout Protection even with frequent, excessive overloading, "Vari-Torque" Safety Clutch, push button blade lock, excellent balance, many other features (see below). "Wrap-around" foot also available, see page 17.

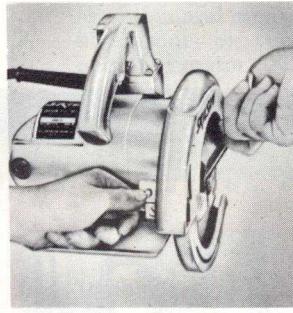
## ALL FOUR SKIL TOP-HANDLE MODELS HAVE THESE IMPORTANT ADVANTAGES



EXCLUSIVE FLOATING GUARDS



CONVENIENT CONTROLS



PUSH BUTTON BLADE-CHANGE LOCK

Upper guard automatically rotates forward; lower guard rotates back as cutting depth decreases. Even on extremely shallow depth settings (as illustrated) blade is always covered. Lower guard never binds when entering work.

Large, plastic knob for fast, accurate, setting of direct-reading depth scale. Scale pointer easily resets to compensate for blade sharpenings. Bevel adjustment is also quick, positive.

Push-button engages and locks saw shaft for fast, easy blade changes. Another SKIL exclusive for greater convenience and safety.

- "Vari-Torque" Clutch protects against dangerous kickback and saw damage.
- Contoured, "Sure-Grip" Handle for safe, positive control.
- "Phantom" Pivot—allows deeper bevel even at 45° . . . provides single, easy-to-follow cutting guide edge.
- Air stream keeps sawdust off line of cut.

## SPECIFICATIONS

**Equipment:** Combination blade, diamond arbor inner and outer blade washers, (Adapter washers are available for using round arbor blades on all four models, see page 17) blade wrench, 3 wire cord and plug.

**Motors:** Universal, D.C. or A.C. up to 60 cycles. 115 volts unless another voltage is specified on order.

**Switches:** Enclosed momentary contact trigger type.

**Bearings:** Ball bearing construction.

model no.	blade dia.	depth of cut at 90°	max. 45° depth of cut	no load speed, r.p.m.	amp rating at 115V	overall length	net wgt. lbs.	shpg. wgt.
856	6 1/2"	0 to 2 1/8"	1 3/4"	5800	10	10 1/4"	12 1/2	16
857	7 1/4"	0 to 2 1/4"	2"	5800	11	10 3/4"	13	16
858	8 1/4"	1/16 to 2 3/4"	2 3/16"	5400	13	12"	15 1/4	20
860	10"	1 1/16 to 3 3/4"	2 13/16"	5400	14	14"	17 1/2	25

\*Includes patented features and features on which patents are pending.

# SKIL HIGH TORQUE WORM-DRIVE SAWS

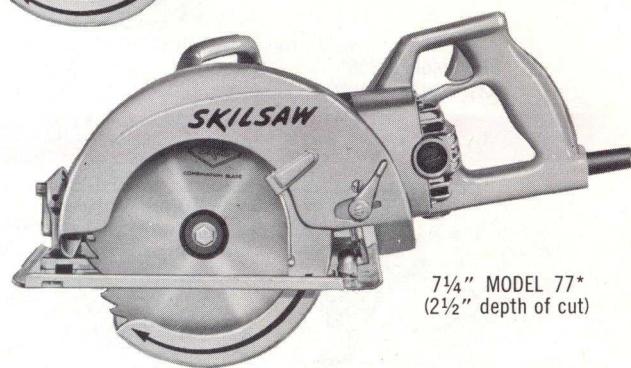
## SUPER-DUTY MODELS

**World's finest, professional power saw models!** Have unequalled power for cutting virtually any material fast, easy. Far outperform, far outlast all other saws.

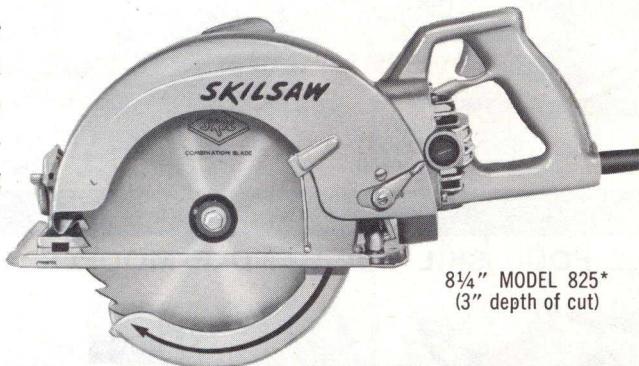
These even more powerful versions of famous Skilsaw Models 367, 77 and 825 are the result of over 38 years of saw leadership. They feature 12 major improvements plus even better handling ease and ruggedness. These new advantages are combined with traditional Skil features such as worm-drive gearing that delivers unequalled cutting power, all ball bearing construction, "Vari-Torque" clutch, and natural rear handle "swing-thru" cutting action for the ultimate in cutting control and accuracy. New S.B.P. motors give Super Burnout Protection even with frequent overloads; develop tremendous power for fastest cutting of lumber, metal, stone, tough compositions.



6 1/2" MODEL 367\*  
(2 1/8" depth of cut)

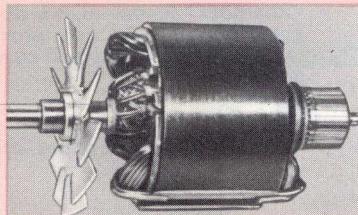


7 1/4" MODEL 77\*  
(2 1/2" depth of cut)



8 1/4" MODEL 825\*  
(3" depth of cut)

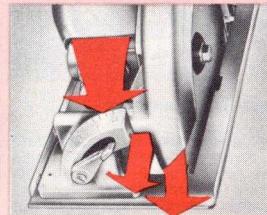
### NOW SKILSAW MODELS 367, 77, & 825 HAVE THESE 12 BIG ADVANCES . . .



**NEW! SKIL S.B.P. MOTOR**  
Gives Super Burnout Protection because armature connections are welded (not soldered) and windings are dip coated in super-tough Permafil insulation.



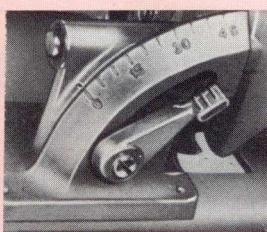
**OIL LEVEL CONTROL**  
Oil filler plug is on side so gear case can be filled automatically to correct level for proper lubrication, coolest operation.



**AIR FLOW HOOD**  
Directs cooling air over gear case for rapid heat dissipation. Air blasts out at front to keep line of cut clear.



**BLADE LOCK**  
Push button engages and locks saw shaft for fast, easy blade changing. Another SKIL exclusive.



**EASIER TO READ BEVEL GAUGE**  
Die cast gauge has large, raised calibrations. "Micro-Adjust" screws assure accuracy through life of saw.

- **SEALED PRECISION BALL BEARINGS** All bearings adjacent to oil in gear housings are larger; sealed for cooler running, longer life.
- **OIL PRESSURE RELIEF BELLOWS** Sealed rubber bellows in gear case provide relief of oil pressure build-up; give better lubrication; cooler running performance.
- **SUPER-STRONG, CONTOURED REAR HANDLE** Natural grip gives maximum handling comfort.
- **SAWDUST EXHAUST PORT** Ejects dust at rear of upper guard deflecting it away from operator.
- **STRONGER STEEL FOOT** Heat treated spring steel foot resists bending, twisting. Slides smoothly over work. Holes make it easy to install water feed.
- **AUTOMATIC TELESCOPING GUARD** Lower guard can't bind even on miter cuts; automatically retracts when adjusting foot for bevel cuts.
- **DUST PROOF SWITCH** Completely enclosed, sealed trigger switch protects against dust for long life, minimum maintenance.

\*Includes patented features and features on which patents are pending.

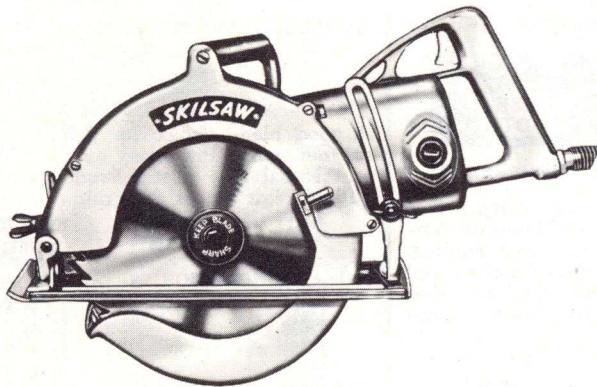
**SKIL****HIGH TORQUE  
WORM-DRIVE  
SAWS**

13

**SUPER-DUTY MODELS****10" MODEL 107 (3 3/8" depth of cut)**

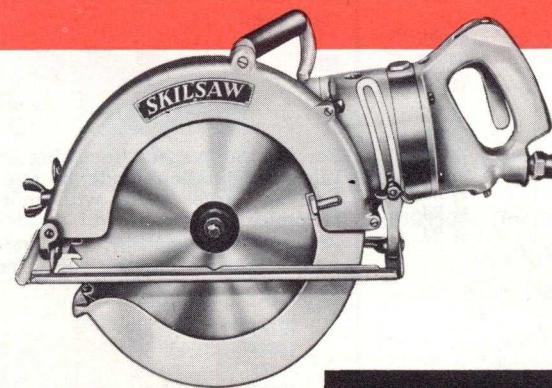
Now features S.B.P. motor for Super Burnout Protection and more dependable big capacity cutting.

Easily handles continuous rip cutting in hardwoods, heavy lumber, wet or resinous woods with amazing speed, power. Excellent also for tough ferrous and non-ferrous metal cutting jobs.

**12" MODEL 127 (4 3/8" depth of cut)**

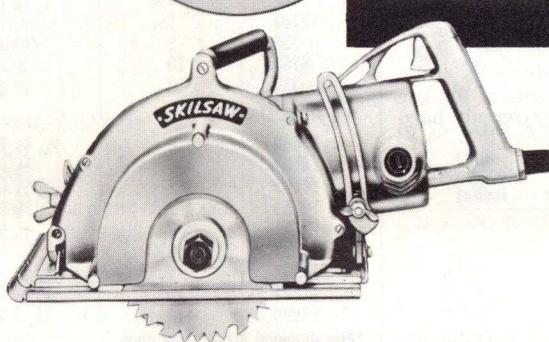
For mine, bridge, dam, railroad and boat building and other very heavy duty applications. New S.B.P. motor for Super Burnout Protection.

This tremendously powerful, fast cutting saw makes short work of cutting heavy timbers. Combines traditional SKIL quality features and portability with huge 4 3/8" depth of cut.

**12" AIR MODEL 2127  
(4 3/8" depth of cut)**

Ideal for heaviest use where electric power is not available or where job conditions make compressed air power more practical.

Has the power and stamina to make short work of cutting heavy lumber for shoring work on bridge and dam construction and in mines and shipyards. Ideal also for cutting all masonry products. Stalling will not harm powerful air-operated motor. Requires 80 to 100 p.s.i. air pressure at 75 c.f.m. Use 1/2" i.d. air hose; over 25' length use 3/4" i.d. hose.

**7" GROOVER MODEL 117**

(grooves to 1 3/4" deep, 1/8" to 2 1/16" wide)

Gives maximum grooving capacity for heavy job requirements. Has new S.B.P. motor for Super Burnout Protection.

Blades not supplied. Order No. 4559—7" Dado Set. For regular cutting, No. 12613—10" Combination Blade is also available. (Both have 3/4" round arbors—see page 14 & 15.)

**SPECIFICATIONS**

**equipment:** Combination blade (except Model 117), blade wrench, lubricant 3-wire cord and plug (2127 uses air hose). Steel Carrying Case furnished with Models 107, 127 and 2127.

**motors:** Universal, D.C. or A.C. up to 60 cycles. 115 volts unless another voltage is specified on order (except 2127).

**arbor:** SKIL diamond arbor, except Model 117, which has 3/4" round arbor. Adapter washers are available on special order for using 5/8" round arbor

blades on Models 367, 77, 825. (See page 17).

**bearings:** All ball-bearing construction.

**switches:** Enclosed momentary contact trigger switches (except 2127).

**guards:** Safety telescoping guard shields blade when not cutting; safety retractor handle.

**bevel adjustment:** 0 to 45° (except Model 117).

model no.	blade dia.	depth of cut at 90°	45° capacity of cut	no load speed, r.p.m.	115V. amp. rating	length overall	net wt. lbs.	ship. wt. lbs.
367	6 1/2"	0 to 2 1/8"	1 1/4"	4600	11	16"	15 3/4	21
77	7 1/4"	1/16 to 2 1/2"	2"	4600	12	17 1/4"	17 1/2	23
825	8 1/4"	1/16 to 3"	2 1/8"	4600	13	17 3/4"	19	24
107	9 7/8"	1 to 3 3/8"	2 5/8"	3400	15	21"	29 1/4	50
127	11 1/8"	2 3/8 to 4 3/8"	3 1/4"	2500	20	22"	34	57
2127	11 1/8"	2 3/8 to 4 3/8"	3 1/4"	1600	—	22"	31 1/4	57
117	7**	0 to 1 1/4"	—	2900	18	21"	36	44

\*7" dado or 10" blade.

# SKIL SAW BLADES

## FOR SKIL AND OTHER MAKES OF POWER SAWS

### COMBINATION



For cross-cut and rip work in soft woods, general carpentry. Most frequently used, most popular SKIL Saw Blade.

part no.	diameter, inches	arbor size, inches
<b>DUAL ARBOR</b>		
376	5 1/8	◊, 5/8 Rd.
11395	6	◊, 5/8 Rd.
16122	6 1/2	◊, 5/8 Rd.
377	7 1/4	◊, 5/8 Rd.
871	8	◊, 5/8 Rd.
388	8 1/4	◊, 5/8 Rd.
379	9	◊, 5/8 Rd.
380	10	◊, 3/4 Rd.
382	12	◊, 3/4 Rd.
<b>ROUND ARBOR</b>		
20677	5 1/2	1/2 Rd.
12610	6	1/2, 5/8 Rd.
13247	7 1/4	5/8, 3/4 Rd.
12611	8	1/2, 5/8 Rd.
13855	8 1/4	5/8 Rd.
12612	9	5/8, 3/4 Rd.
12613	10	5/8, 3/4 Rd.
12614	12	3/4, 1 Rd.

### ECONOMY PACKS — COMBINATION BLADES

Now quantity users can save almost 25% over single blade prices. Each "Economy Pack", includes ten blades in handy storage carton.

"Economy Pack" Contains following SKIL dual arbor combination blades

24366	ten—No. 16122—6 1/2" blades
24377	ten—No. 377—7 1/4" blades
24388	ten—No. 388—8 1/4" blades

### CHISEL TOOTH COMBINATION



For cross-cut and rip work in soft woods, general carpentry. Have less teeth than regular combination for faster cutting.

part no.	diameter, inches	arbor size, inches
<b>ROUND ARBOR</b>		
17012	4 1/4	1/2 Rd.
17988	6 1/2	5/8 Rd.
13853	7	1/2, 5/8 Rd.
26831	7 1/4	5/8 Rd.
26832	8 1/4	5/8 Rd.
<b>SQUARE ARBOR</b>		
16967	6	1/2 Sq.
16968	7 1/4	13/16 Sq.

### HARD TOOTH COMBINATION



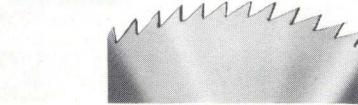
#### DUAL ARBOR      ROUND ARBOR

Special hardened teeth stay sharp 3 to 4 times longer than ordinary blades on general purpose cross cutting and ripping. Harder cutting edge perfect for tempered laminates, exterior plywoods, etc. that dull regular blades rapidly. Can be sharpened by grinding.

part no.	diameter, inches	arbor size, inches
<b>DUAL ARBOR</b>		
21929	6 1/2	◊, 5/8 Rd.
21932	7 1/4	◊ (only)*
21936	8 1/4	◊, 5/8 Rd.
<b>ROUND ARBOR</b>		
21012	5	1/2 Rd.
20339	5 1/2	5/8 Rd.
19703	6 1/2	5/8 Rd.
21933	7 1/4	5/8 Rd.
21937	8 1/4	5/8 Rd.

\*Fits diamond arbor saws only.

### CROSS-CUT



Gives smoother cross-grain cuts than combination types. Also practical for use as rip and cut-off blade in extremely hard woods.

part no.	diameter, inches	arbor size, inches
<b>DUAL ARBOR</b>		
9752	5 1/8	◊, 5/8 Rd.
16123	6 1/2	◊, 5/8 Rd.
356	7 1/4	◊, 5/8 Rd.
293	8	◊, 5/8 Rd.
350	8 1/4	◊, 5/8 Rd.
357	9	◊ (only)*
9763	10	◊, 3/4 Rd.
334	12	◊, 3/4 Rd.
<b>ROUND ARBOR</b>		
12620	6	1/2, 5/8 Rd.
18552	6 1/2	5/8 Rd.
13857	7	1/2, 5/8 Rd.
19258	7 1/4	5/8 Rd.
12621	8	1/2, 5/8 Rd.
12256	8 1/4	5/8 Rd.
12622	9	5/8, 3/4 Rd.
12623	10	5/8, 3/4 Rd.

part no.	diameter, inches	arbor size, inches
<b>SQUARE ARBOR</b>		
16970	6	1/2 Sq.

\*Fits diamond arbor saws only.

Skil Saw Blades are carefully made in Skil's own plant of highest quality alloy steel, precision ground and accurately set. Wide selection provides right blade for all cutting jobs, almost every make of portable or bench saw.

### Three arbor (center opening) styles available:

**DUAL ARBOR BLADES** — An exclusive design! Have round arbor bushing that snaps in to permit their use on round arbor portable and bench saws. Or snap out the bushing and use on any diamond arbor saw.

### ROUND ARBOR BLADES

### SQUARE ARBOR BLADES

Note: All SKILSAW Models have diamond arbors except the following: Models 502, 537, 534, 536, 836, 552 (type 9), 553 (type 6) 554 (type 6) which have 5/8" round arbors; Models 504, 533, 604 which have 1/2" round arbors.

### NOVELTY COMBINATION



A good blade choice for general use in cabinet work. Preferred by many bench and radial saw users. Produces smooth cuts with or across the grain.

part no.	diameter, inches	arbor size, inches
<b>ROUND ARBOR</b>		
*16544	4 1/4	1/2 Rd.
12630	6	1/2, 5/8 Rd.
12631	8	1/2, 5/8 Rd.
12632	9	5/8, 3/4 Rd.
12633	10	5/8, 3/4 Rd.
12634	12	3/4, 1 Rd.

\*Hard Tooth

### RIP



For maximum speed in cutting with grain. Like combination blade in tooth shape, but has larger teeth with more set to minimize binding.

part no.	diameter, inches	arbor size, inches
<b>DUAL ARBOR</b>		
12767	5 1/8	◊, 5/8 Rd.
18547	6 1/2	◊, 5/8 Rd.
352	7 1/4	◊, 5/8 Rd.
12768	8 1/4	◊, 5/8 Rd.
353	9	◊ (only)*
9764	10	◊, 3/4 Rd.
330	12	◊, 3/4 Rd.
<b>ROUND ARBOR</b>		
12600	6	1/2, 5/8 Rd.
18553	6 1/2	5/8 Rd.
18565	7	1/2, 5/8 Rd.
19259	7 1/4	5/8 Rd.
12601	8	1/2, 5/8 Rd.
19261	8 1/4	5/8 Rd.
12602	9	5/8, 3/4 Rd.
12603	10	5/8, 3/4 Rd.
12604	12	3/4, 1 Rd.

\*Fits diamond arbor saws only.

### PLYWOOD



Hollow-ground, extra-fine tooth blades for smooth, splinter-free cutting of plywood and other laminates.

part no.	diameter, inches	arbor size, inches
<b>DUAL ARBOR</b>		
26171	5 1/8	◊, 5/8 Rd.
26172	7 1/4	◊, 5/8 Rd.
26173	8	◊, 5/8 Rd.
<b>ROUND ARBOR</b>		
26170	5 1/2	1/2 Rd.

**SAVE MONEY! Order your SKIL Saw Blades in**

## MITER



Hollow-ground blades for very smooth cutting (sometimes called "planer" blades). Use for accurate rather than fast cutting. May be used with lubricant for cutting soft aluminum, copper, etc.

part no.	diameter, inches	arbor size, inches
<b>DUAL ARBOR</b>		
314	5 1/8	Ø, 5/8 Rd.
16124	6 1/2	Ø, 5/8 Rd.
362	7 1/4	Ø, 5/8 Rd.
9757	8	Ø, 5/8 Rd.
<b>ROUND ARBOR</b>		
18015	4 1/4	1/2 Rd.
20678	5 1/2	1/2 Rd.
12640	6	1/2, 5/8 Rd.
18554	6 1/2	5/8 Rd.
13859	7	1/2, 5/8 Rd.
19260	7 1/4	5/8 Rd.
12641	8	1/2, 5/8 Rd.
12257	8 1/4	5/8 Rd.
12642	9	5/8, 3/4 Rd.
12643	10	5/8, 3/4 Rd.
<b>SQUARE ARBOR</b>		
16972	6	1/2 Sq.

## FLOORING



For repairing old floors, cutting crating or used lumber where nails are encountered. Use a blade 1 to 2 inches smaller in diameter than maximum saw capacity.

part no.	diameter, inches	arbor size, inches
<b>DUAL ARBOR</b>		
9775	5 1/8	Ø, 5/8 Rd.
358	7 1/4	Ø, 5/8 Rd.
348	8	Ø, 5/8 Rd.
<b>ROUND ARBOR</b>		
12660	6	1/2, 5/8 Rd.
12661	8	1/2, 5/8 Rd.
<b>SQUARE ARBOR</b>		
16974	6	1/2 Sq.

## FINE-TOOTH



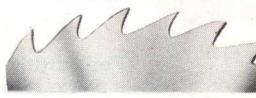
For cutting Celotex or similar soft wall-board; 1/16" or thinner plastic materials.

part no.	diameter, inches	arbor size, inches
<b>DUAL ARBOR</b>		
280	5 1/8	Ø, 5/8 Rd.
366	7 1/4	Ø, 5/8 Rd.
9744	8	Ø, 5/8 Rd.
<b>ROUND ARBOR</b>		
12670	6	1/2, 5/8 Rd.
12671	8	1/2, 5/8 Rd.

## METAL CUTTING (for nonferrous metals)

For cutting metals, use with SKIL Super-Duty (worm-drive) Saws. All metal cutting blades are hollow ground.

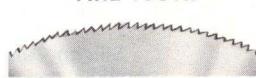
### COARSE TOOTH



Cut 3/8" and thicker aluminum, magnesium or lead. Coarse mill type tooth. **MUST BE USED WITH LUBRICANT.**

part no.	diameter, inches	arbor size, inches
<b>DUAL ARBOR</b>		
18548	6 1/2	Ø, 5/8 Rd.
9813	7 1/4	Ø, 5/8 Rd.
17007	8 1/4	Ø, 5/8 Rd.

### FINE TOOTH



Cut copper, brass, 3/8" or thinner aluminum and magnesium, 1/16" and thicker plastics. Fine mill type tooth. **MUST BE USED WITH LUBRICANT.**

part no.	diameter, inches	arbor size, inches
<b>DUAL ARBOR</b>		
18549	6 1/2	Ø, 5/8 Rd.
9814	7 1/4	Ø, 5/8 Rd.
17008	8 1/4	Ø, 5/8 Rd.
*393	6	Ø, 5/8 Rd.

\*Special blade for cutting wood-sheet metal laminates only.

## FRiction (for ferrous metals)



For cutting light gauge flat or corrugated sheets of iron, such as metal roofing. Hollow ground. Use only on Model 77 Saw or larger.

part no.	diameter, inches	arbor size, inches
<b>DUAL ARBOR</b>		
9768	5 1/2	Ø, 5/8 Rd.
9769	8	Ø, 5/8 Rd.

## CARBIDE-TIPPED



These remarkable blades stay sharp up to 30 times longer in cutting new lumber; give excellent service on hard-to-cut materials like asbestos cement, asphalt siding and other semi-abrasive products that quickly dull regular blades. Cannot be used for stone, masonry, metal or wood where nails may be encountered.

part no.	no. teeth	dia., inches	arbor size, inches
<b>DUAL ARBOR</b>			
7996	6	5 1/2	Ø, 5/8 Rd.
18550	6	6 1/2	Ø, 5/8 Rd.
7997	8	7 1/4	Ø, 5/8 Rd.
9590	18	7 1/4	Ø, 5/8 Rd.
7998	8	8 1/4	Ø, 5/8 Rd.
9598	20	8 1/4	Ø, 5/8 Rd.
26538	20	10	Ø, 5/8 Rd.

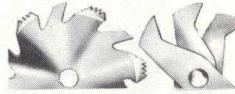
## KNIFE BLADES



For cotton sampling; also for cutting rubber, Neoprene, rugs, fabrics and related materials. No. 9772 is a steel knife blade; No. 16293 is a beryllium copper, non-sparking knife blade.

part no.	diameter, inches	arbor size, inches
<b>DUAL ARBOR</b>		
9772	5 1/2	Ø, 5/8 Rd.
16293	5 1/2	Ø, 5/8 Rd.

## DADO SETS



Sets listed below are adjustable from 1/8" to maximum width by sixteenths. Extra chippers for 6" and 7" sizes are available on special order.\*

part no.	dia. inches	arbor size, inches	cutting capacity, inches	set includes: outside cutters, chippers, 1/8" wide ea. inches 1/16 1/8 1/4
<b>ROUND ARBOR</b>				
12676	6	5 1/8 Rd.	1/8 to 1 1/16	2 1 1 1
321	6	3/4 Rd.	1/8 to 1 1/16	2 1 2 2
4559	7	3/4 Rd.	1/8 to 2 1/4	2 1 2 6

\*See master parts list for chippers No. 13345 to 13350.

## PERMA-GRIT\* WHEELS AND BLADES

5 tools in 1!—saw, sand, shape, dado, plough! No teeth to snag, no dangerous "kickback". Tungsten carbide grit is copper-bonded to edge and sides . . . cut and sand in one operation. Provide fast, smooth cuts with long blade life when cutting thin veneers, plywood, Masonite, fiberglass and plastics. *Not recommended for metal or stone cutting.*

## PERMA-GRIT\* WHEELS —

### for table and radial saws

Have abrasive grit on edge and both sides. For cutting and sanding.

no.	blade size	arbor size, inches	grit on edge	grit on sides
<b>ROUND ARBOR</b>				
18720	8"	5/8, 1/2 Rd.	36	(36—1 side 80—1 side
18721	8"	5/8, 1/2 Rd.	36	80 both sides
19782	8"	5/8, 1/2 Rd.	36	36 both sides
19758	10"	1, 3/4, 5/8 Rd.	36	36 both sides
19759	10"	1, 3/4, 5/8 Rd.	36	60 both sides

## PERMA-GRIT\* BLADES —

### for portable power saws

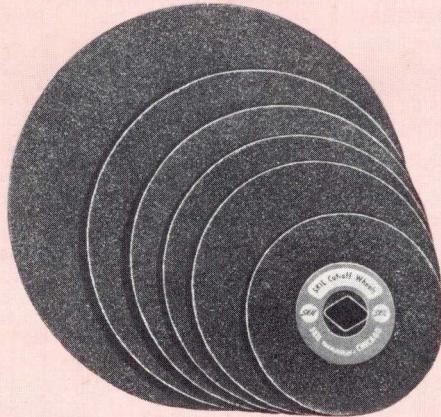
Have abrasive grit on edge and 1/2" down from edge on both sides. Use only for cutting applications.

no.	blade size	arbor size, inches	grit on edge and sides
<b>DUAL ARBOR</b>			
19908	6"	Ø, 5/8 Rd.	46
19909	7 1/4"	Ø, 5/8 Rd.	46
19910	8"	Ø, 5/8 Rd.	46
<b>ROUND ARBOR</b>			
19911**	6"	5/8 Rd.	46

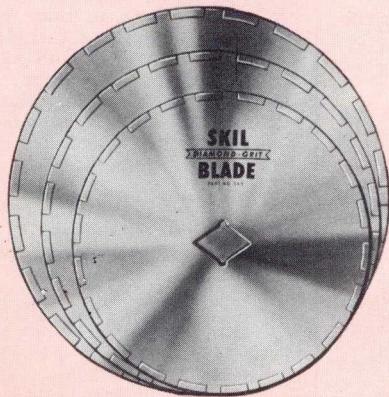
\*Patented and a registered trademark of SKIL Corp.

\*\*Recommended for cutting 1/4" and lighter stock only.

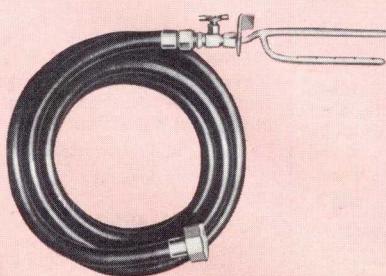
# SKIL SAW ACCESSORIES



**A** "SAFETY" CUT-OFF WHEELS



**B** DIAMOND GRIT BLADES



**C** WATER FEED ATTACHMENT

## **A** "SAFETY" CUT-OFF WHEELS

For cutting masonry materials and metals as indicated. Contain a very high concentration of highest quality electric furnace abrasives for fastest cutting. Have three important features for break resistance, long life and safety: (1) reinforced with fiber-glass cloth; (2) steel insert reinforces diamond arbor hole; (3) abrasives are securely bonded with phenol resin.

### Wheels for Cutting Masonry Materials

**Silicon Carbide Abrasive**—for very hard masonry materials: hard-aggregate concrete, marble, granite, glazed and ceramic tile, slate, terrazzo, acid-proof brick; face, silica and hard-chrome brick; Magnesite, etc.

part no.	size	pkg. qty.	part no.	size	pkg. qty.
18350	5 7/8" x 1/8"	10	18352	7 1/4" x 1/8"	10
18351	6 1/2" x 1/8"	10	18353	8 1/4" x 1/8"	10

**Silicon Carbide Abrasive**—for medium and softer masonry materials: concrete block, common brick, cinder block, fire clay and refractory brick, limestone, Arizona flagstone, Lannon stone, crab orchard stone; roofing, sewer and structural tile; terra cotta, asbestos cement, insulating brick, sandstone, Austin stone, gypsum, fiberglass, etc.

part no.	size	pkg. qty.	part no.	size	pkg. qty.
18354	5 7/8" x 1/8"	10	18358	9" x 1/8"	10
18355	6 1/2" x 1/8"	10	18359	10" x 1/8"	10
18356	7 1/4" x 1/8"	10	18360	12" x 1/8"	10
18357	8 1/4" x 1/8"	10			

### Wheels for Cutting Metals

**Aluminum Oxide Abrasive**—for all ferrous metals (steel, cast iron, stainless steel) and hard non-ferrous metals such as hard brass, hard aluminum, hard bronze, etc.

part no.	size	pkg. qty.	part no.	size	pkg. qty.
18365	5 7/8" x 1/8"	10	18368	8 1/4" x 1/8"	10
18366	6 1/2" x 1/8"	10	18369	9" x 1/8"	10
18367	7 1/4" x 1/8"	10	18370	10" x 1/8"	10

**Silicon Carbide Abrasive**—for soft non-ferrous metals such as soft aluminum; soft bronze; soft brass, etc.

part no.	size	pkg. qty.	part no.	size	pkg. qty.
18354	5 7/8" x 1/8"	10	18358	9" x 1/8"	10
18355	6 1/2" x 1/8"	10	18359	10" x 1/8"	10
18356	7 1/4" x 1/8"	10	18360	12" x 1/8"	10
18357	8 1/4" x 1/8"	10			

**\*NOTE:** Arbor adapters are available to permit use of diamond arbor cut-off wheels on saws with round arbors. Ask for No. 17009 Adapter to convert to 1/2" round arbor; No. 17010 Adapter to convert to 5/8" round arbor.

**NOTE:** Before using any cut-off wheel always be sure its maximum safe operating speed (shown on wheel blotter) is not exceeded by the free speed of the tool (shown on name-plate). Use only on tools with proper safety guards.

## **B** SKIL DIAMOND GRIT BLADES

Now improved for heavier duty cutting!

Diamond concentration is higher and diamonds are retained in powdered metal segments that are brazed to a metal blank for longer cutting life. Cut all stone and masonry materials, glass, asbestos, cement. Outcut and outlast cut-off wheels by 10 to 1! Cannot be used dry—see Water Feed Attachments below.

**No. 341**—7" dia., .050" thickness.

**No. 344**—8" dia., .050" thickness.

**No. 375**—10" dia., .064" thickness.

## **C** WATER FEED ATTACHMENTS

Easily attach to SKIL Portable Saws. Perforated fork supplies water for both sides of blade. Equipped with 10 ft. of hose with standard connection for attaching to faucet or hose. *Must be used with diamond grit blades.* May also be used with cut-off wheels.

**No. 25199**—For Models 367 (types 2 & 3), 77 (types 10 & 11), 825 (types 8 & 9).

**No. 5750**—For Models 107, 127, 2127, 367 (type 1), 77 (type 9 & below), 825 (type 7 & below).

**No. 19576**—For Models 856, 857, 858 and 860.

# SKIL SAW ACCESSORIES

## Ⓐ SAW CARRYING CASES

Handy, durable carrying cases made of heavy gauge steel with special brackets to protect saw and blades. Use of case protects saw against weather, rust, dirt; eliminates possibility of saw snagging clothing, upholstery, etc.

for SKILSAW model	order case no.
367 (all types)	
77 (all types)	25198
825 (all types)	
107 (all types)	4524
127 (all types)	
2127 (all types)	4335
856 (all types)	
857 (all types)	26099
858 (all types)	
860 (all types)	22740
160 (jig saw)	25605

NOTE: Carrying Cases are also available for most former Skilsaw models although not shown above. To order, specify model number and serial number of saw.

## Ⓑ ADJUSTABLE RIP FENCES

Eliminate repeated measuring and marking on rip work. SKIL Rip Fences fit on front of saw base; guide saw accurately to cut uniform width.

for SKILSAW model	order rip fence no.
367 (types 2 & 3)	
77 (types 10 & 11)	25341
825 (types 8 & 9)	
107 (all types)	
127 (all types)	154
2127 (all types)	
856 (type 1)	
857 (types 1 & 2)	18450
858 (types 1 & 2)	
860 (types 1 & 2)	
160 (jig saw)	25174

NOTE: Rip Fences are also available for most former Skilsaw models including Models 864, 874, 884, 367 (type 1) and most types Models 77 & 825. To order, specify model and serial number of saw.

## Ⓒ NO. 13802 MITER GUIDE

A really practical accessory for most every wood cutting job. Set it at a desired angle just once, and you can make any number of cuts at precisely that same angle. Your portable saw easily follows guide bar for both right and left hand miter cuts. Eliminates time spent in figuring angles and plotting layouts.

## Ⓓ NO. 266 BLADE STUD WRENCH

For use on all Skilsaw models with blade diameters from 5 $\frac{1}{8}$ " to 12".

## Ⓔ "WRAP-AROUND" FOOT ASSEMBLIES

For Skil Top-Handle Super-Duty Saws. Provide additional support and cutting ease and increase utility of saws on special applications. May be used interchangeably with furnished foot.

for top-handle model	part no.
856	
857 (type 2)	24147
857 (type 1)	25136
858 (type 1 and 2)	25137
860 (type 1 and 2)	23508



Ⓐ SAW CARRYING CASE



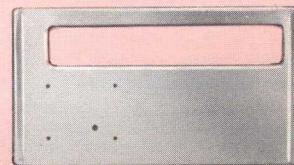
Ⓑ RIP FENCE



Ⓒ MITER GUIDE



Ⓓ BLADE STUD WRENCH



Ⓔ "WRAP-AROUND" FOOT ASSEMBLIES

## Adapter Washers

For converting SKILSAWS diamond arbors to round arbors. Order pair of washers (inner and outer) as indicated.

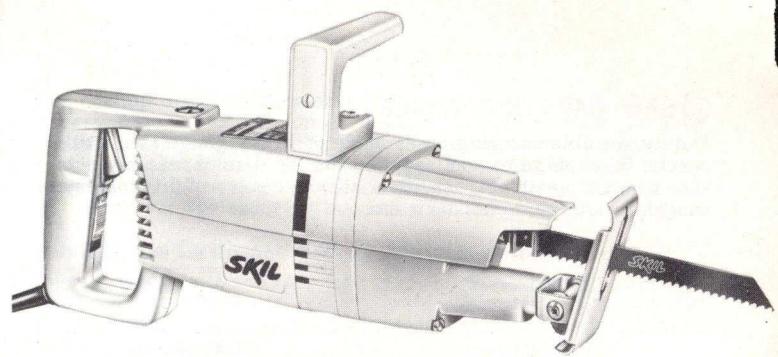
for converting diamond arbor SKILSAW	washers provide following rd. arbor, inches	adapter washer part nos.
856, 857	$\frac{5}{8}$	20636 (Outer) 24144 (Inner)
858	$\frac{5}{8}$	18261 (Outer) 18262 (Inner)
860	$\frac{3}{4}$	18261 (Outer) 22724 (Inner)
367 (types 2 & 3) 77 (types 10 & 11) 825 (types 8 & 9)	$\frac{5}{8}$	20636 (Outer) 23407 (Inner)

# SKIL RECIPRO SAWS

## 2-SPEED ALL-PURPOSE MODEL 700

This powerful ball bearing saw cuts almost any material.

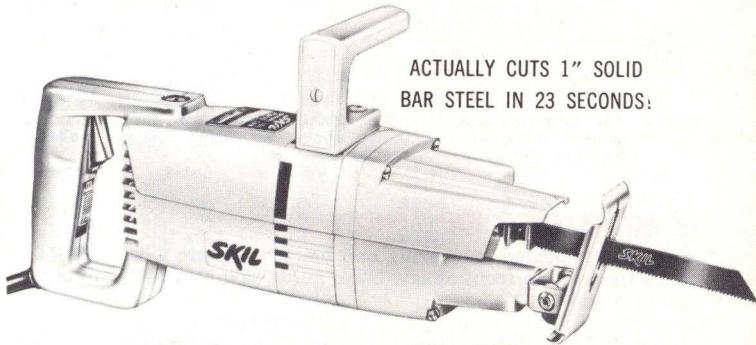
Has high speed (3500 strokes per minute) for fastest cutting in wood, composition, plastic; low speed (2600 strokes per minute) for maximum control in finish work and for routine metal cutting jobs. Excellent for the diversity of cutting jobs encountered by carpenters, maintenance men, plumbers, electricians, builders, sheet metal workers and ventilating contractors. Other features include adjustable top handle that removes for use in tight spots; off-center blade for cutting close to walls, corners.



## 2-SPEED METAL-CUTTING MODEL 701

World's only portable electric reciprocating saw built specifically for metal cutting.

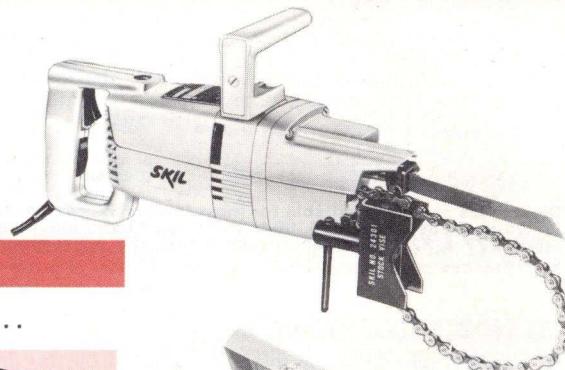
Has two separate speeds—1000 and 1400 strokes per minute—for extremely fast cutting in different gauges and densities of metals with longest blade life. Low speed is for stainless steel, other hard alloys, cast iron—many hard, abrasive-type materials. High speed cuts mild steel and non-ferrous metals fast. Excellent for contractors, maintenance men, metal fabricators, welding shops, truck body plants, steel warehouses, plumbers, electricians—any metal cutting job demanding a portable tool for cut-off or pattern work. Has all the features of Model 700.



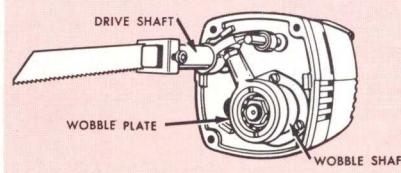
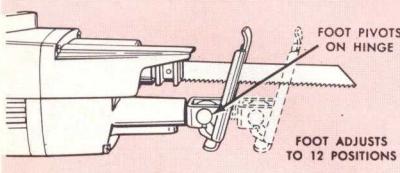
## 2-SPEED METAL-CUTTING MODEL 702

Provides the ultimate in fast, accurate cutting of bar stock, pipe, angle iron, etc.

Includes Model 701 plus No. 24301 Stock Vise Attachment (see page 19). Saves money compared with individual cost of saw and attachment!

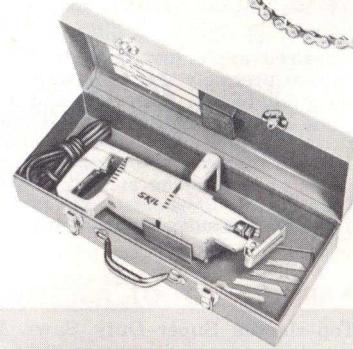


ALL THREE MODELS ALSO HAVE THESE IMPORTANT FEATURES . . .



**MULTI-POSITION FOOT** — Prolongs blade life — moves in or out for cutting with unused portions of blade; also gives variable cutting depth.

**ONLY 3 MAIN MOVING PARTS** — Rugged, simple mechanism has only three principal moving parts for less maintenance, long tool life.



## SPECIFICATIONS:

**equipment:** Includes four assorted blades; No. 21084 blade clamp key and holder; No. 25924 steel carrying case. 3-wire cord and plug.

**motor:** Universal, D.C. or A.C. up to 60 cycles. 115 volts unless another voltage is specified on order.

**switches:** Enclosed momentary-contact, A.C. only, trigger switch; slide-type speed selection switch.

**bearings:** Ball and needle roller construction.

model no.	length of stroke	strokes per minute		amp. rating at 115 V.		overall length	net wgt. lbs.	shpg. wgt., lbs.
		high speed	low speed	high speed	low speed			
700	13/16"	3500	2600	6	4	155/8"	9 1/4	21
701	13/16"	1400	1000	6	4	165/8"	10	21 1/4
702	13/16"	1400	1000	6	4	171/4"	10 3/4	23 1/4

# SKIL RECIPRO SAW ACCESSORIES

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## Ⓐ NO. 24301 STOCK VISE ATTACHMENT

Threads into Model 700-Type 2 or 701 Recipro Saw in place of regular foot assembly to provide a rugged, built-in vise! Clamps bar stock, pipe, angle iron, securely for fast, accurate, cutting with less vibration. Holds stock from  $\frac{3}{8}$ " to 5" diameter. To use, wrap chain around stock to be cut and slip chain over top of vise; then simply tighten vise.

## Ⓑ NO. 24300 FLUSH CUTTING ATTACHMENT

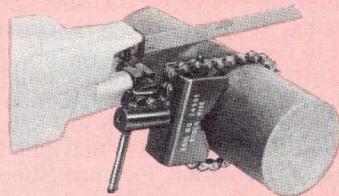
Use with Models 700 (type 2 only) and 701 Recipro Saws for cutting absolutely flush to walls, floors, ceilings, any vertical or right angle surface. Quickly clamps on reciprocating shaft to provide extreme off center blade mounting completely clear of saw housing.

### Replacement Carrying Cases

Same as furnished with saws as indicated.

**No. 25924**—for Models 700 (Type 2), 701 & 702.

**No. 20580**—for Model 700 (Type 1).



Ⓐ STOCK VISE ATTACHMENT



Ⓑ FLUSH CUTTING ATTACHMENT

### RECIPRO SAW BLADES

Packaged 5 each in handy vinyl pocket pouch  
For all Skil Recipro Saws, other makes of reciprocating saws (see note below). Metal cutting blades are top quality, long life, high speed steel. All other blades are tough, resilient, high carbon alloy steel.

#### METAL CUTTING (red blade)



recommended use	blade number	teeth per inch	length inches
Ferrous metals $\frac{1}{4}$ " or thicker; non-ferrous metals $\frac{1}{8}$ " or thicker. Use 8" blade for cutting cast iron, steel pipe to 4" diameter.	23607 23608 23609	10 10 10	4 6 8
Ferrous metals $\frac{3}{16}$ " to $\frac{1}{4}$ " thick; non-ferrous metals less than $\frac{1}{8}$ ".	20548 20359	14 14	4 6
Ferrous metals $\frac{1}{16}$ " to $\frac{3}{16}$ " thick.	20546 20360	18 18	4 6
Ferrous metals less than $\frac{1}{16}$ " thick.	20544	24	4

#### METAL SCROLL CUTTING (red blade)



Metals, ferrous sheet $\frac{1}{4}$ " or thicker; non-ferrous metals $\frac{1}{8}$ " or thicker.	23610	10	4
Ferrous metals $\frac{3}{16}$ " to $\frac{1}{4}$ "; non-ferrous metals under $\frac{1}{8}$ ".	20549	14	4
Ferrous sheet metal $\frac{1}{16}$ " to $\frac{3}{16}$ " thick.	20547	18	$\frac{3}{4}$
Ferrous sheet metal less than $\frac{1}{16}$ " thick.	20545	24	$\frac{3}{4}$

#### WOOD ROUGHING-IN (black blade)



Fastest cutting in 1" or thicker wood. Use for notching timbers; cutting green, wet or fibrous wood, limbing trees.	25921 25922 25923	3½ 3½ 3½	6 9 12
Fast cutting in hard wood, plastic and hard composition board. Keyhole type blade. Nos. 20539, 20540 are narrow-width blades; Nos. 20572, 20573 are tapered-back blades.	20539 20540 20572 20573	6 6 8 8	6 12 6 12

#### WOOD SCROLL CUTTING (black blade)



recommended use	blade number	teeth per inch	length inches
Fast scroll cutting in wood, compositions.	20538	6	4
Hollow ground blade for smooth cuts.	20537	8	4

#### MULTI-PURPOSE (blue blade)



Tough, economy blades for fast roughing-in, cut most materials including wood with nails, soft metals. Use 6-tooth blades for $\frac{1}{2}$ " or thicker materials, 10-tooth blades for materials under $\frac{1}{2}$ " thick.	20356 23605 20541 20542 20543	6 6 10 10 10	6 12 4 6 12
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#### PLASTER CUTTING (white blade)



Plaster and lath, other abrasive materials.	23606	6	6
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#### PRUNING (green blade)



Fast pruning cuts, especially fruit trees.	26228	12	6
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NOTE: All blades also fit directly on Milwaukee Sawzall and Stanley models. Fit Porter-Cable models when equipped with No. 24220 clamp.

# SKIL

## JIG SAW

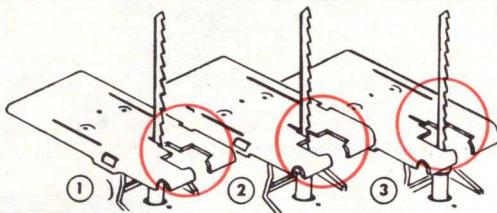
### MODEL 160 2-SPEED JIG SAW\*

World's fastest cutting jig saw! Has two speeds—low for metal cutting, high for wood cutting.

Flick the thumb-tip switch on this amazing jig saw to high speed for cutting wood (up to 2½"), plastic and compositions. Flick it to low speed for fast metal cutting with longer blade life. Rips, cross cuts, plunge cuts, notches, scroll cuts, bevel cuts. Heavy duty construction throughout for accurate, continuous use. Superb top handle balance and side handle that mounts on left or right for easiest handling. Exclusive 3-position foot adjustment lets you cut plywood without splintering (without special adapters). Other features include powerful 1" orbital-action cutting stroke, full 45° right and left bevel adjustment, air stream that keeps saw dust off line of cut and dual, counterbalanced gears. Hex key for blade changes, other adjustments, clamps conveniently on foot. Includes rip fence.



NO. 25605 CARRYING  
CASE AVAILABLE SEE PAGE 17.



#### EXCLUSIVE 3-POSITION FOOT ADJUSTMENT

1. For splinter-free cutting of plywood, composition, laminates with hollow ground blades.
2. For general cutting of wood, metal, etc. with set tooth blades.
3. For bevel cutting.

### SPECIFICATIONS

**equipment:** No. 25174 rip fence, No. 22610 wrench, four assorted blades, 3-wire cord and plug.

**motor:** Universal, up to 60 cycles. 115 volts unless another voltage is specified on order.

model no.	length of stroke	90° cutting capacities			45° capacity in wood	strokes per minute		amp. rating at 115v	overall length	net wgt. lbs.	shpg. wtg. lbs.
		in wood	in aluminum	in steel		high speed	low speed				
160	1"	2½"	¾"	¼"	2"	3200	2600	3.5	8"	6	8¼

### SKIL JIG SAW BLADES

Packaged 5 each in handy vinyl pocket pouch

**METAL CUTTING BLADES**—for ferrous metals including mild steel, galvanized sheet; non-ferrous metals including aluminum, brass and copper.

blade no.	teeth per inch	recommended use
24084	10	¼" to ½" ferrous; ½" to ¾" non-ferrous.
24085	14	⅜" to ¼" ferrous; less than ¼" non-ferrous.
24086	18	⅛" to ⅜" ferrous.
24087	32	Less than ⅛" ferrous.

**switches:** Enclosed double throw, slide type. A.C. only 25 to 60 cycles.  
**bearings:** Ball and needle roller.

**WOOD, PLASTIC AND COMPOSITION CUTTING BLADES**—coarse tooth design for fastest cutting in ⅜" or thicker material.

blade no.	teeth per inch	blade type—recommended use
22644	6	Fast scroll cutting, or "roughing-in" work.
22652	6	Extra wide blade for straight cutting.
22650**	6	Hollow ground blade for extra-smooth finish.
22651**	6	Hollow ground extra-wide blade for smooth finish, straight cutting.
24088	6	Flush cutting blade ⅜" wide, extends to front of jig saw foot, permits cutting up to corners, vertical surfaces.

**WOOD, PLYWOOD, PLASTIC AND COMPOSITION CUTTING BLADES**—fine tooth design for fast smooth finish cutting in ½" or thinner material.

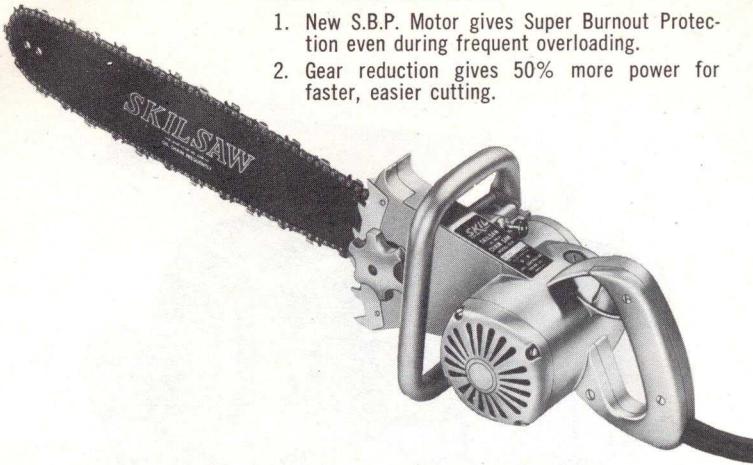
blade no.	teeth per inch	blade type—recommended use
22649	10	Fast scroll cutting blade hardened for long life in hard compositions (Masonite, etc.) and hard plastics (Formica, etc.)
22645**	10	Hollow ground for smooth finish cutting in plywood, plastics, veneers and hard compositions. Best blade for Formica; other plastic laminates.
24089	10	Extremely narrow blade for tight, intricate scroll cutting.

\*Includes patented feature and features on which patents are pending.

\*\*Use in SKIL 160 Jig Saw with foot in "splinter-free" cutting position.

### NEW TWO WAYS! . . .

1. New S.B.P. Motor gives Super Burnout Protection even during frequent overloading.
2. Gear reduction gives 50% more power for faster, easier cutting.



# SKIL CHAIN SAWS

21

### 14" MODEL 605

For Felling, Limbing and Trimming Timber and Cutting Piling, Ties, and Cordwood.

Both models provide all these features:

- Wrap-around pipe handle for cutting at any angle.
- Built-in push button oiler for easy chain lubrication while cutting.
- Tempered steel, chipper-type chain cuts fast . . . lasts longer. Easily sharpened on the job.

### SPECIFICATIONS

**Equipment:** Set of extra-long holding claws, chipper chain and package of chain repair parts, chain sharpening file and handle; 6" 3-wire cord and twist lock connector.

model no.	capacity one cut, inches	free speed of chain, ft. per min.	amp. rating at 115V	generator size required, watts	length overall, inches	net weight, lbs.	shpg. weight, lbs.
605	14	1150	9	1500*	27 $\frac{1}{2}$	16 $\frac{1}{4}$	22
606	20	1150	10	1500*	33	17 $\frac{1}{4}$	23

\* Continuous output at full rated voltage of saw.

### CHAIN SAW ACCESSORIES

**No. 11622**—Special round file for sharpening chain.

**No. 11686**—Includes No. 11622 file, file holder and handle. A complete sharpening tool. Positions file at correct depth and angle.

**No. 11630**—14" replacement chain, for Model 605.

**No. 12680**—20" replacement chain, for Model 606.

**No. 11232**—Chain repair parts assortment (also included with above replacement chains).

FOR EXTENSION CORDS & PLUGS, SEE PAGE 66.

## PERMA-GRIT\*\* TUNGSTEN CARBIDE SANDING TOOLS

### Ⓐ NO. 20001 PERMA-GRIT\*\* HAND SANDER

Comfortable plastic sanding block complete with 60 grit Perma-Grit sheet (tungsten-carbide grit bonded to steel). For fast sanding of wood, wallboard, plastics, dry wall joints. Easily cleaned with wire brush and solvent. Additional sheets available, see below.

### PERMA-GRIT\*\* REPLACEMENT SHEETS FOR HAND SANDER

**NO. 18763**—36 coarse grit      **NO. 18972**—100 fine grit  
**NO. 18971**—60 medium grit      **NO. 18973**—150 fine grit  
**NO. 18982**—80 medium-fine grit      **NO. 18764**—220 very fine grit

### Ⓑ NO. 19918 PERMA-GRIT\*\* SANDER-PLANE

For fast stock removal in sanding doors, windows, cabinet work, plastics, etc. Reversible 12" blade has 46 coarse grit on one side, 100 fine grit on other. Easily cleaned.

**NO. 19917**—Replacement Blade for use on No. 19918 Sander-Plane.

### Ⓒ PERMA-GRIT\*\* FILES

For shaping, notching, fast stock removal of woods, plastics, rubber, etc. All files 14" long. Easily cleaned.

**NO. 18730**—Flat File has coarse grit (46) on one side, medium-fine grit (80) on other side.

**NO. 19859**—Contour File,  $\frac{3}{4}$ " radius, 46 coarse grit 1 side only.

**NO. 19860**—Contour File,  $\frac{3}{4}$ " radius, 100 fine grit 1 side only.

### Ⓓ PERMA-GRIT\*\* SHEETS FOR POWER SANDERS

For use on electric oscillating or orbital sanders. Sand fast with less pressure. Grits available for all jobs. Easily cleaned.

#### 3 $\frac{5}{8}$ " x 9" Sheets

part no.	description	part no.	description
18703	36 coarse grit	18700	150 extra-fine grit
18702	80 medium-fine grit	18704	220 very fine grit
18701	100 fine grit		

\*\* Trademark of SKIL Corporation. Includes features which are patented.

PERMA-GRIT BRAND WHEELS AND BLADES ARE ALSO AVAILABLE, SEE PAGE 15.

# SKIL FINISHING SANDERS

## ORBIT/LINE SANDER\* MODEL 692 (heavy-duty)

Lets you handle both jobs — orbital and straight line sanding — at the flick of a switch.

World's first heavy-duty, 2-way sander. Flick motion selector switch to "orbital sanding" for fast stock removal and finish sanding—excellent when sanded surface will be painted. Or flick same switch to "straight line sanding" for finest finish sanding *without swirl marks*—excellent when sanded surface will be stained, varnished or clear lacquered. Has powerful, heavy-duty motor; big 4½ x 9" sanding pad; contour grip top handle; trigger switch with locking pin; superb balance. See below for additional information on features.



## ORBIT/LINE SANDER\* MODEL 693, dust-less (heavy-duty)

Same as Model 692 except includes No. 22493 Dust Pick-Up Kit (see page 23) for healthier, dust-less sanding. Makes it possible for you to paint in same area where sanding is being done.



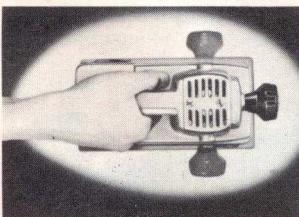
## STRAIGHT LINE SANDER MODEL 792 (heavy-duty)

World's only heavy-duty electric fine-finishing sander!

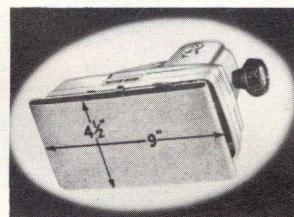
Now a production sander built for finest finish sanding! Saves time by replacing hand methods or small "vibrator-type" sanders. Gives smooth, swirl-free surface ready for application of stain, varnish, wax or clear lacquer. Has big 4½" x 9" pad with full 3/16" sanding stroke. Heavy-duty motor delivers full power to the pad under load. Other features include ball and roller bearing construction, flush side design, trigger switch with lock pin. See below for additional information on features.



## MODELS 692, 693 & 792 HAVE THESE IMPORTANT ADVANTAGES



Three Position Handle mounts at front or either side for better control when sanding vertical surfaces, in corners.



Big 4½ x 9" Sanding Pad—over 40 sq. inches of sanding surface! Spring action levers hold many sheets of sandpaper.



Flush Side Design lets you sand up to vertical surfaces, in corners, drawers, other hard-to-reach confined areas.



Dust-less Sanding—No. 22493 Pick-up kit is furnished with Model 693, available (see next page) for other two models.



## SPECIFICATIONS

**equipment:** Three sheets sandpaper (assorted grits); 3 wire cord and plug. Model 693 includes No. 22493 Dust Pick-Up Kit.

**motors:** Universal, D.C. or A.C. up to 60 cycles. 115 volts unless otherwise specified on order.

model no.	sandpaper size	sanding pad size	amp. rating at 115V	orbital sanding		straight line sanding		length overall	height	width	net wgt. lbs.	shpg. wgt. lbs.
				orbits per min., no load speed	dia. of orbit	strokes per min., no load speed	length of stroke					
692	4½ x 11"	4½ x 9"	2	5000	¾"	4800	¾"	9"	6½"	4½"	7	9
693	4½ x 11"	4½ x 9"	2	5000	¾"	4800	¾"	14"*	6½"	5¼"	8	11
792	4½ x 11"	4½ x 9"	2	—	—	4800	¾"	9"	6½"	4½"	7	9
992	3½ x 9"	3½ x 7"	2	5500	¾"	—	—	9½"	6½"	3¾"	5½	7

\*Length including hose coupling.

### Ⓐ SANDPAPER

Long lasting, highest quality, aluminum oxide abrasives scientifically bonded with sharpest edges of grit at the cutting surface.

4½x11"—Fits Models 692, 693, 792 and other makes requiring this size paper. (Each package contains 10 sheets.)

grit	description	pkg. part no.
1½ (40)	very coarse	25764
1/2 (60)	medium coarse	23077
2/0 (100)	medium	23078
4/0 (150)	fine	23079
6/0 (220)	extra fine	23080

3½x9"—Fits Models 992, 592 and other makes requiring this size paper. (Each package contains 5 sheets.)

grit	description	pkg. part no.
1½ (40)	very coarse	25752
1/2 (60)	medium coarse	20697
2/0 (100)	medium	20698
4/0 (150)	fine	20699
6/0 (220)	extra fine	25753

3½" x 9" Perma-Grit tungsten carbide sanding sheets available, see page 21.

### Ⓑ NO. 22493 DUST PICK-UP KIT

Same as furnished with Model 693. Quickly converts Model 692 or 792 to dust-less Sander. Hose attaches to any vacuum cleaner. Includes plastic hood for dust pick-up with swivel coupling, 5½' flexible hose and universal coupling.

### Ⓒ NO. 3728 POLISHING PAD

For polishing furniture, plastic, other materials with Model 992 Orbital Sander. High-quality lambs wool.

# SKIL FINISHING SANDERS

## ORBITAL SANDER (heavy-duty) MODEL 992

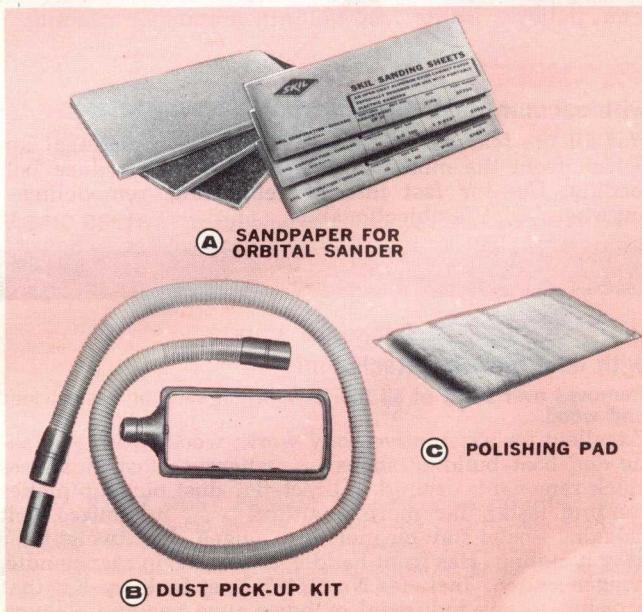
Combines heavy-duty, all ball bearing construction and lightweight with exceptional low cost.

Useful for many sanding jobs—removing old paint and varnish, sanding new stock and unfinished furniture. Lightweight makes it excellent for overhead and vertical work such as sanding of drywall joints. Has powerful motor, all ball bearing construction, trigger switch with locking pin. Sands flush on 3 sides—auxiliary control knob is removable for work in tight places.

**switches:** Enclosed momentary contact trigger switch with locking pin.

**bearings:** Models 692, 693 and 792—all ball and roller bearings. Model 992 all ball bearing.

## SKIL FINISHING SANDER ACCESSORIES



# SKIL

## BELT SANDERS

### 2½" MODEL 505 (heavy-duty)

Combines lightweight handling ease and exceptional power for very fast stock removal.

Weighs only 10½ pounds. Easy to handle on all finishing jobs from a narrow stair railing to paneled walls. Has extra large front handle and contour-grip rear handle and trigger switch for complete control. Belt change-overs are made quickly with simple lever adjustment. Has control knob for centering belt on pulleys. Rugged construction throughout for years of efficient, dependable performance.



### 3" MODEL 448 (heavy-duty)

without vacuum dust collector

Has tremendous power for fast stock removal through years of production use.

Cooler running because of large gear case oil chamber, larger air vents and improved fan design. Belt-tensioning mechanism makes belt changing easy. Has front handle, contour grip rear handle and trigger switch.

### 3" MODEL 449 (heavy-duty)

with vacuum dust collector

Has all the features of the Model 448 plus improved dust pick-up system. With special felt wiper at rear of sander, its powerful motor draws over 90% of dust through intake system and into dust bag.



MODEL 449  
(MODEL 448 IS SAME  
BUT WITHOUT DUST COLLECTOR)

### 4½" MODEL 323 (heavy-duty)

without vacuum dust collector

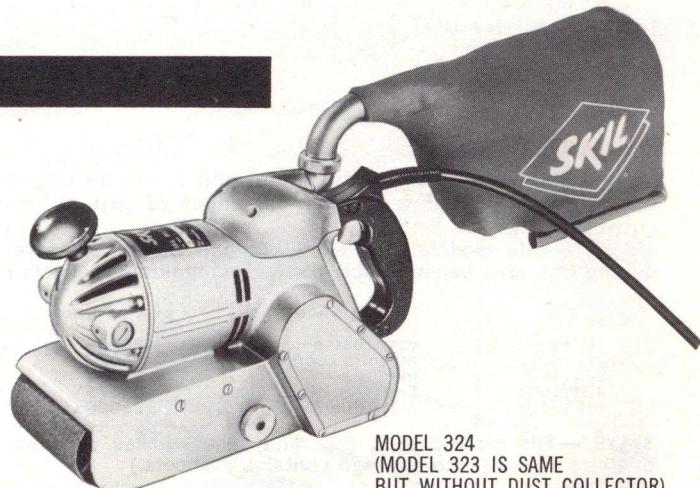
A real workhorse! Provides the ultimate in fast production sanding.

Design, construction, engineering features and performance make this model suitable for constant use on a wide variety of wood, composition and metal sanding jobs. Ball bearing construction throughout except needle bearings on front pulley. Use for fast, uniform production sanding.

### 4½" MODEL 324 (heavy-duty)

with vacuum dust collector

Has all the features of Model 323, plus a centrifugal fan driven from the motor to pick up dust and reduce belt loading. Use for fast interior refinishing, remodeling—anywhere dust is objectionable.



MODEL 324  
(MODEL 323 IS SAME  
BUT WITHOUT DUST COLLECTOR)

### 4" MODEL 445 (standard duty)\*

with dust pick-up attachment

Removes over 90% of all fine dust when sanding resins, lead and wood.

Excellent for automotive body work; woodworking; plastic and boat-building shops . . . wherever fast, dust-less stock removal is desired. "Direct-flo" dust pick-up makes sanding faster, far more healthful . . . minimizes belt clogging—belts stay cleaner, last longer. Lightweight for easy handling. Has front handle, contour grip rear handle, trigger switch. Includes No. 21407 Dust Pick-up Kit that attaches to any industrial or home type vacuum cleaner.



\*Includes patented features.



CAN BE USED WITH NO. 21407 DUST PICK-UP KIT, SEE BELOW.

## SPECIFICATIONS

**equipment:** 3-wire cord and connector; medium grit sanding belt; tube of lubricant (except Models 445, 805); visible oil level indicator (except Models 445, 805). Models 449 and 324 have heavy fabric dust bag with positive slide closure. Model 445 includes No. 21407 dust pickup kit.

**motor:** Universal, D.C. or A.C. up to 60 cycles. 115 volts unless otherwise specified on order.

model no.	belt size, inches	sanding pad size, inches	speed, no-load ft. per min.	amp. rating at 115V	length overall, inches	width overall, inches	net weight, lbs.	shpg. weight lbs.
505	2 1/4 x 21 1/16	2 1/4 x 4 1/2	1000	6	12	3	10 1/2	14
448	3 x 23 3/4**	3 x 6	1500	10	15 1/4	4	15	18
449	3 x 23 3/4**	3 x 6	1300	10	15 1/4†	4	15 1/4	19
323	4 1/2 x 26	4 1/2 x 6 1/4	1500	10	15 1/4	6 1/8	23	29
324	4 1/2 x 26	4 1/2 x 6 1/4	1300	10	15 3/4†	6 1/8	25	29
445	4 x 21 1/4	4 x 4 1/2	1350	7	12 1/2	6 1/2	12	16
805	4 x 21 1/4	4 x 4 1/2	1100 (high) 800 (low)	7 (high) 6 (low)	12 1/2	6 1/2	12 1/4	15

\*Includes patented features.

\*\*Also accommodates 3" x 24" size belts.

# SKIL BELT SANDERS

25

### 4" TWO-SPEED MODEL 805\* (standard duty)

Has two speeds for both rough and fine sanding jobs! Switch to the high 1100 f.p.m. speed for fast stock removal; turn on the slow 800 f.p.m. speed for finishing work or removing old paint and varnish.

Ideal for intermittent use in construction, maintenance or home workshops. Flush design permits sanding up to vertical surfaces. Simple locking device makes belt change-over easy. Lightweight for easy handling. Has large front handle, contour grip rear handle, trigger switch and pin for locking switch in "on" position.

**switches:** Enclosed, momentary contact trigger switches (445 and 805 also have pin for locking switch in "on" position).

**bearings:** Models 448, 449, 323, 324 all ball bearing construction except pulleys. Models 505, 445, 805 ball bearing construction except pulleys.

†Length less dust bag.



sizes			
2 1/4" x 21 1/16"	3" x 23 3/4"	4" x 21 1/4"	4 1/2" x 26"
for following SKIL current & former models (and other makes requiring similar size belts)			
505, 525, 325, JY	448, 449, 9, ZP	445 805 405	323, 324 AR, BR A, B

use	grit	part numbers			
ALUMINUM OXIDE for new or unfinished wood of all kinds, plastics, resins, soft non-ferrous metals such as lead, copper, aluminum.	3 2 1/2 2 1 1/2 1 1/2 1/0 2/0 3/0	7801 7802 7803 7804 7805 7806 7807 7808 7809	7829 7830 7831 7832 7833 7834 7835 7836 7837	18842 18843 18844 18845 19641 18846 19642	7870 7871 7872 7873 7874 7875 7876 7877 7878
ALUMINUM OXIDE for ferrous metals; also hard bronze, hard brass, hard aluminum, etc. Wiping work with cutting oil is often helpful.	24 30 36 40 50 60 80 100 120 180 320	7810 7812 7814 7815 7816 7818 7820 7822	7838 7840 7842 7843 7844 7846 7848 7850	18842 18843 18844 18845 19641 18846 19642	7879 7881 7883 7884 7885 7887 7889 7891
SILICON CARBIDE for all natural and cast stone.	24 40 80 120 320	.... .... .... .... ....	7851 7854 7857 7859 7863	.... .... .... .... ....	7892 7895 7898 7900 7904
ALUMINUM OXIDE OPEN COAT for removing varnish, lacquer and paint. Also for resinous or green wood.	3 2 1/2 2 1 1/2 1 1/2	7823 7824 7825 7826 7827 7828	7864 7865 7866 7867 7868 7869	18847 18848	7905 7906 7907 7908 7909 7910

## SKIL BELT SANDER ACCESSORIES

**NO. 18849 SANDER BELT ASSORTMENT**—Box of 10 Assorted 4" Sanding Belts. Includes 3—No. 18846, 1—No. 19642 and 2 each of the following Nos. 18843, 18844, 18847.

**FABRIC BELTS**—For rubbing or polishing metal and stone with grinding or polishing compound. Not for painted or varnished surfaces.

size	2 1/4" x 21 1/16"	3" x 23 3/4"	4 1/2" x 26"
part no.	5050	3324	926

**NO. 21407 DUST PICK-UP KIT**—Same as furnished with Model 445. Converts Models 805 and 405 to dust-less sanders. Includes 5 1/2' flexible hose for connecting to vacuum cleaner, dust pick-up attachment, universal coupling, graphite backing pad, sponge rubber pad.

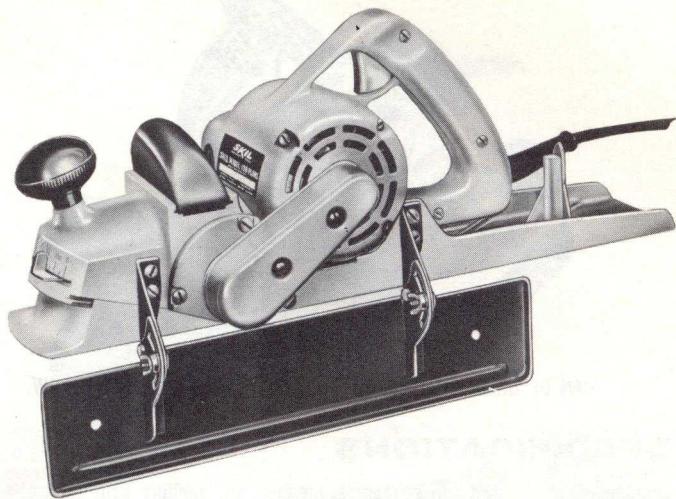
# SKIL PLANES

## 3" MODEL 100\*

### FOR EDGE AND SURFACE PLANING

Excellent for carpenters, builders, pattern shops, cabinet workers, woodworking industries, shipyards and maintenance.

Motor-on-top design for double duty use! Use it as a surface plane on large areas as well as an edge plane. Has full 90° bevel adjustment (45° left or right). 0 to  $\frac{1}{8}$ " depth adjustment ( $\frac{1}{64}$ " settings with "click" stops). Tooth-belt drive needs no lubrication . . . eliminates costly chain or gear failures! Reversible sawdust deflector. Fence mounts on either side or removes for planing large surfaces. And only the SKIL Plane has "center-line" balance for superb handling, better visibility and control.



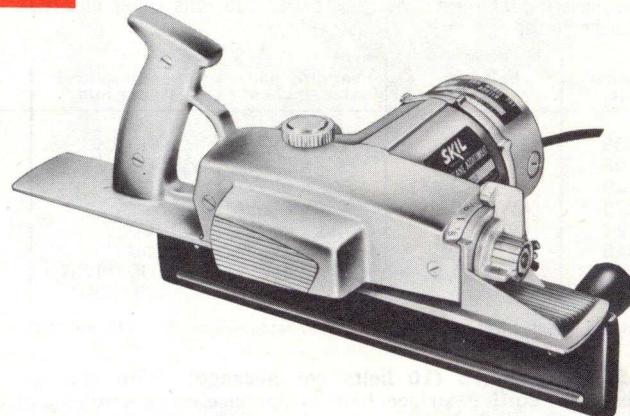
## 2 $\frac{3}{8}$ " MODEL 296

### FOR EDGE PLANING

Low cost plane provides fast, accurate edging on all types of cabinet work, doors, windows, sash, screens. Motor easily removes for use with No. 17067 Router Base to do routing (available separately at small extra cost, see Page 28).

Model 296 Plane has bevel adjustment from 15° outward to 45° toward shoe. Convenient depth adjustment is controlled within easy reach of thumb—even while plane is in operation. Has micrometer adjustment for leveling plane cutter with rear shoe for accurate planing. High speed  $\frac{3}{4}$  h.p. motor gives smooth edges even on plywood and other splinter-prone materials. Convenience features include extra long 16" shoe, chip deflector.

Components including Motor, Plane Attachment and Router Base may also be purchased separately, see Page 28.



## SPECIFICATIONS

**equipment:** Model 100 includes No. 11628 pair of blades, hex locking key, special wide-funnel chip deflector, blade honing bracket, blade adjusting gauge, bevel gauge, 3-wire cord and plug.

Model 296 includes No. 5000 Router Motor, No. 3650 Plane Attachment with spindle, No. 20717 spiral plane cutter, 2 wrenches, 3-wire cord and plug.

model no.	width of cut, inches	depth of cut, inches	no-load speed, cutter head, r.p.m.	amp. rating at 115V	length overall inches	net weight, lbs.	shpg. weight, lbs.
100	3	0— $\frac{1}{8}$	13,500	5.5	17 $\frac{1}{2}$	10 $\frac{1}{2}$	15
296	2 $\frac{3}{8}$	0— $\frac{1}{8}$	23,000	6.5	16	9 $\frac{1}{2}$	13

## SKIL PLANE ACCESSORIES

No. 6679—Steel Carrying Case, for Model 100.

No. 10750 Jointer-Planer Stand—Converts SKIL Model 100 into a bench jointer in seconds! Has positive-acting spring safety guard, switch lever. (Fits only Model 100 Planes Serial No. A-967366 and above, and former Model 190 Planes Serial No. A-732710 and above.)

**motor:** Universal, D.C. or A.C. up to 60 cycles. 115 volts unless otherwise specified on order.

**switch:** Model 100—enclosed, momentary-contact trigger type. Model 296—recessed toggle switch.

**bearings:** All ball bearing construction.

**No. 10900 Blade Sharpening Kit**—Easily and quickly grinds out nicks, restores keen edge to plane's cutters. No. 10750 Stand provides an ideal mount for this kit. Or, use simple plans included with each kit for making a wood stand. Kit includes blade holder assembly, grinding wheel, wheel arbor, dressing stone and complete instructions.

**No. 10623—Replacement Grinding Wheel**—for No. 10900 Blade Sharpening Kit.

**No. 11628—Replacement Blades**—pair, steel, same as furnished with Model 100 Plane.

For replacement blades, pair, carbide tipped (for use on extremely hard or abrasive non-metallic materials), contact your local SKIL Service Center for specifications and price.

**No. 10625—Replacement Drive Belt** for Model 100 Plane.

# SKIL ROUTERS



No. 16890 straight and circular edge guide available. Order separately. See page 29.



No. 16890 straight and circular edge guide available. Order separately. See page 29.



Includes straight edge guide for uniform cutting.

## 1/2 H.P. MODEL 295 (heavy-duty)

For routing, grooving, dadoing, beading, rabbeting, trimming, mortising, cove-cutting and a wide range of decorative cutting.

Lightweight, easy to handle, powerful  $\frac{1}{2}$  horsepower motor maintains top bit speed for fast, smooth, accurate work. Built-in chuck lock makes bit changing fast, easy—only one wrench needed. May be used with Hinge Butt Template Kit and Veneer and Laminate Trimming Attachment. Motor may also be used to power No. 3650 Plane Attachment. See Accessories, pages 28-30.

## 3/4 H.P. MODEL 297 (heavy-duty)

Does same jobs as Model 295 but is more powerful for more efficient handling of production work.

Powerful  $\frac{3}{4}$  horsepower motor develops plenty of power for fast, accurate production work. Clear plastic eyeshield eliminates dust being thrown in operator's eyes during close-up work. Built-in chuck lock for fast bit changing with only one wrench. Does door and jamb mortising very fast when used with Hinge Butt Template Kit. Excellent also for use with Veneer and Laminate Trimming Attachment. Motor also powers No. 3650 Plane Attachment. See Accessories, pages 28-30.

## 1 3/4 H.P. MODEL 299 (heavy-duty)

For cabinet shops, shipyards, furniture manufacturers and for production line sink and counter top cut-out and edge trimming work.

Powerful, easy-handling. Features extra powerful, full  $1\frac{3}{4}$  horsepower motor for super-smooth cuts. Conveniently located handles allow easy control, precision cutting; "thumb reach" switch lever provides instant power control. Die-cast aluminum alloy housing gives light weight with great strength. Has simple adjusting ring that maintains accurate depth control.

## SPECIFICATIONS

**Equipment:** All models have 3-wire cord and plug, necessary collet wrenches. Model 295 includes motor, base and one  $\frac{1}{4}$ " collet. Model 297 includes No. 5000 motor unit, No. 17067 base and one  $\frac{1}{4}$ " collet. Model 299 includes motor, base, one each  $\frac{1}{4}$ " and  $\frac{1}{2}$ " collets and straight edge guide.

**Motors:** Universal, D.C. or A.C. up to 60 cycles. 115 volts unless otherwise specified on order.

**bearings:** All precision ball bearing.

**switches:** Models 295, 297—recessed toggle type; Model 299—"Thumb-reach" lever type.

**sub-bases:** Non-marring, high-impact polystyrene on Models 295 and 297; non-marring, chrome-plated steel on Model 299.

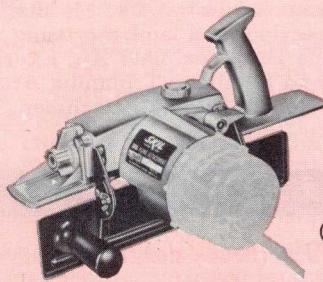
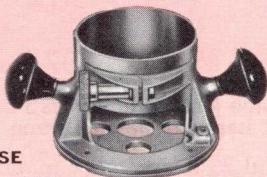
model no.	capacity, h.p.	no-load speed, r.p.m.	amp. rating at 115V	base plate dia. inches	overall height, inches	net weight, lbs.	shpg. weight, lbs.
295	$\frac{1}{2}$	23,000	4.75	$5\frac{1}{8}$	$6\frac{1}{2}$	$5\frac{1}{4}$	8
297	$\frac{3}{4}$	23,000	6.5	$5\frac{1}{8}$	$6\frac{1}{2}$	$5\frac{1}{4}$	8
299	$1\frac{3}{4}$	23,000	12	8	10	$12\frac{1}{4}$	19

# SKIL ROUTER ACCESSORIES

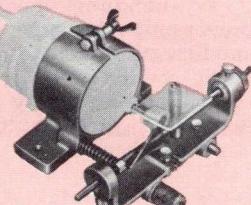


A ROUTER MOTOR

B ROUTER BASE



C PLANE ATTACHMENT

D PLANE CUTTER  
SHARPENING  
ATTACHMENTE NO. 17070 HINGE-BUTT  
TEMPLATE KIT

## A NO. 5000 ROUTER MOTOR

Powers No. 17067 Router Base or No. 3650 Plane Attachment

Powerful, high speed  $\frac{3}{4}$  h.p. motor. Lets you have both a plane and router at substantial savings since only one motor is needed. Also is used with No. 20750 Sharpening Attachment. Includes wrench and built-in spindle lock. 115 volts unless otherwise specified on order.

Net weight: 5 lbs.

Shipping weight:  $6\frac{1}{4}$  lbs.

## B NO. 17067 ROUTER-BASE

For use with No. 5000 Motor to make router identical to and with same features as Model 297 Router. Has non-marring, high impact polystyrene sub-base, two auxiliary handles, plastic eyeshield. See Page 27 for Model 297 specifications. Net weight:  $1\frac{1}{4}$  lbs.

Shipping weight:  $2\frac{1}{4}$  lbs.

## C NO. 3650 PLANE ATTACHMENT

For use with No. 5000 Motor to make plane identical to and with same features as No. 296 Plane. Includes spindle, No. 20717 spiral cutter and wrench. See Page 26 for Model 296 specifications.

Net weight:  $4\frac{1}{2}$  lbs.

Shipping weight:  $7\frac{1}{4}$  lbs.

## D NO. 20750 PLANE CUTTER SHARPENING ATTACHMENT

For fast, accurate sharpening of spiral plane cutter. Includes motor holding assembly, No. 20595 grinding wheel, guide assembly and plastic eye shield.

Net weight: 3 lbs.

Shipping weight:  $4\frac{1}{2}$  lbs.

**No. 20595—Replacement Grinding Wheel**—for No. 20750 Sharpening Attachment.

**No. 20717—Spiral Plane Cutter**—same as furnished with No. 296 Plane and 3650 Plane Attachment. Has precision-ground edges;  $\frac{5}{16}$ " center hole.

## E NO. 17070 HINGE-BUTT TEMPLATE KIT\*

For hanging doors far faster and easier!



Template Kit is easily set-up for precision mortising for hinge butts on 6' 8" or 7' doors.

Designed specifically to simplify and greatly speed-up mortising for hinge butts on 6' 8" or 7' wood doors and jambs with 7"-11" hinge placements.\*\* Eliminates measuring, calculating and layout.

Mortises for  $2\frac{1}{2}$ " to  $5\frac{1}{2}$ " hinge sizes when used with Model 295 and 297 Routers; to  $3\frac{1}{2}$ " hinge sizes with Model 299 Router.

"Retracto" pins automatically locate template on jambs for either  $1\frac{3}{8}$ " or  $1\frac{3}{4}$ " door thicknesses.

Packed in steel carrying case. Easy-to-follow instructions are mounted inside case lid.

**Equipment:** Three templates with connecting rods, nail puller, extra nails, carrying case, No. 17088 Surfacing Bit, No. 17089 Template Guide, No. 11587 Lock Nut and No. 17831 Corner Chisel.

Net weight:  $9\frac{1}{4}$  lbs.

Shipping weight: 16 lbs.

**No. 17831 Corner Chisel**—For squaring mortises when installing square-cornered hinges. One piece design, easy-to-use, accurate. Same as furnished with No. 17070 Template Kit.

\*Includes Patented Features.

\*\*For 4-hinge doors or hinge placements other than 7"-11", standard  $\frac{5}{16}$ " threaded bolt stock (obtainable locally) may be used for spacing rods in place of those supplied with kit.

## Ⓐ VENEER AND LAMINATE TRIMMING ATTACHMENT

For smooth, accurate trimming of edges on wood veneers and plastic laminates. Excellent for use in furniture construction, counter top work, kitchen and bath "built-ins" etc.

Adjustable for both flush and bevel trimming . . . both operations are performed with one bit! For flush cutting, bit is centered exactly with guide wheel by using set-up pin. For bevel cutting, micrometer-type adjustment permits accurate alignment. Positive-locking, vibration-proof controls maintain accuracy throughout the cut.

Order components listed below separately as follows:

For use with Models 295 and 297 Routers, order No. 19200, No. 19627 and No. 19628.

For use with Model 299 Router, order No. 19200, No. 19627 and 19901.

## Ⓑ NO. 19200 VENEER TRIMMING GUIDE

Attaches to No. 19628 or No. 19901 Sub-Base for veneer trimming applications. Has replaceable, non-marring nylon guide roller wheel. Includes set-up pin for centering bit exactly with roller wheel.

## Ⓒ NO. 19627 CARBIDE TIPPED BIT

Precision ground combination bit for both flush and bevel cutting of wood veneers, plastics and decorative laminates. Two flute type with  $22\frac{1}{2}$ ° bevel angle.

## Ⓓ VENEER TRIMMING SUB-BASES

Have high impact, non-marring surface with pre-drilled holes for attaching No. 19200 Guide.

No. 19628—For Model 295 and 297 Routers.

No. 19901—For Model 299 Router.

## Ⓔ NO. 16890 STRAIGHT AND CIRCULAR EDGE GUIDE

Easily attaches to Models 295 and 297 (see Page 27) for accurate spacing of grooves, dadoes, rabbets, etc. from 0" to 5" away from edge of straight or circular material.

## Ⓕ NO. 19250 BIT SHARPENING ATTACHMENT

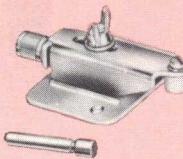
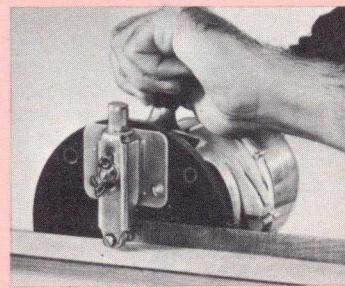
For sharpening router bits and shaping cutters. Stand accommodates Model 295, 297 or 299. Sharpens  $\frac{1}{4}$ " and  $\frac{1}{2}$ " shank router bits and  $\frac{5}{16}$ " center hole shaping cutters. Adjustable for one, two and three cutting edges. Includes grinding fixture, adapter for  $\frac{1}{4}$ " shank bits, adapter for  $\frac{5}{16}$ " shaping cutters, universal stand and No. 20199 grinding wheel. Size of grinding fixture: 6 $\frac{5}{8}$ " long; 3 $\frac{3}{4}$ " wide; 2 $\frac{1}{4}$ " high. Net weight: 2 $\frac{1}{4}$  lbs. Shipping weight: 3 lbs. Sharpening Attachment.

No. 20199—Replacement Grinding Wheel for No. 19250 Sharpening Attachment.

# SKIL ROUTER ACCESSORIES

## Ⓐ VENEER AND LAMINATE TRIMMING ATTACHMENT

(See components illustrated below)

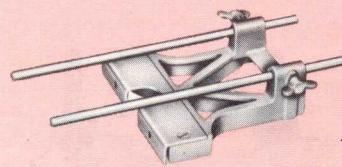


Ⓒ NO. 19627 CARBIDE TIPPED BIT

## Ⓑ NO. 19200 VENEER TRIMMING GUIDE



Ⓓ VENEER TRIMMING SUB-BASE



Ⓔ STRAIGHT AND CIRCULAR EDGE GUIDE



Ⓕ BIT SHARPENING ATTACHMENT

## COLLETS and TEMPLATE GUIDES

COLLETS—Permit the use of different shank diameter bits.

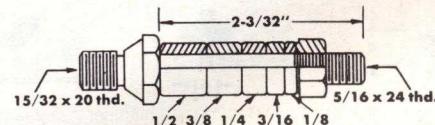
part no.	for bit shank size	for router model no.
10510	$\frac{1}{4}$ "	299*
10511	$\frac{5}{16}$ "	299
10512	$\frac{3}{8}$ "	299
10513	$\frac{1}{2}$ "	299*
17056	$\frac{1}{4}$ "	295, 297*

\*Included as standard equipment with tool.

COLLET ADAPTERS—For reducing collet diameters to permit use of smaller diameter bits.

part no.	for collet size	for bit shank size	overall length
11581	$\frac{1}{4}$ "	$\frac{1}{16}$ "	1"
11582	$\frac{1}{4}$ "	$\frac{3}{32}$ "	1"
11583	$\frac{1}{4}$ "	$\frac{1}{8}$ "	1"
11584	$\frac{1}{4}$ "	$\frac{3}{16}$ "	$1\frac{1}{8}$ "
10557	$\frac{5}{16}$ "	$\frac{1}{4}$ "	1"
10558	$\frac{1}{2}$ "	$\frac{5}{16}$ "	1"

NO. 18892 ARBOR ASSEMBLY—For use in mounting shaping cutters on Models 295 and 297 Router. Has 5 spacer collars with dimensions shown.



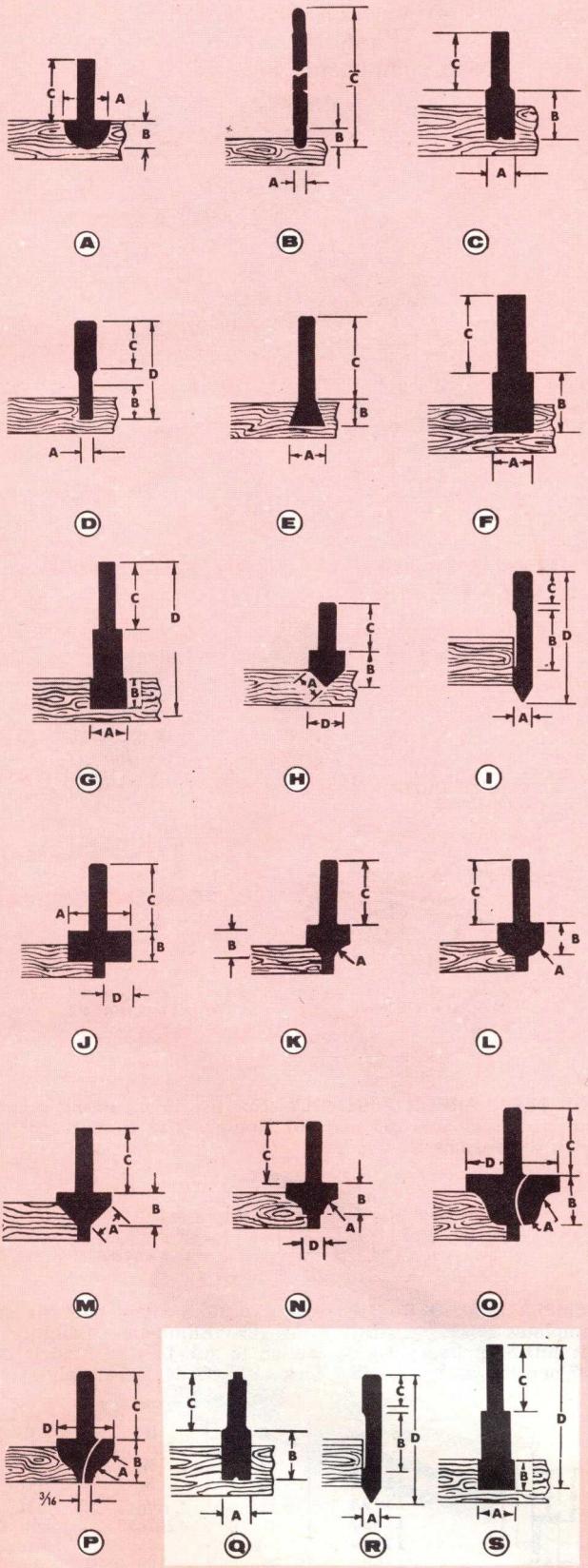
TEMPLATE GUIDES—For guiding routers along patterns and templates when duplicating designs. Eliminate possibility of bit cutting pattern. Guides attach to sub-base of Models 295, 297 and 299 with No. 11587 lock nut. (Order separately.)

dimensions			
part no.	A	B	C
11591	$\frac{3}{8}$	$\frac{3}{8}$	$1\frac{1}{16}$
11592	$\frac{3}{16}$	$\frac{7}{16}$	$2\frac{3}{16}$
11593	$\frac{3}{8}$	$\frac{1}{2}$	$2\frac{7}{16}$
11590	$\frac{7}{16}$	$\frac{3}{4}$	$4\frac{1}{16}$
11589	$1\frac{13}{32}$	1	$5\frac{1}{16}$
11588	$\frac{3}{8}$	$1\frac{1}{4}$	$1\frac{3}{16}$
17089*	$\frac{5}{8}$	$2\frac{1}{32}$	$\frac{9}{16}$
11587	Lock nut for template guides.		

"D" Dimensions:  
1 $\frac{3}{16}$ —24 Thread

\*For hinge-butt mortising; all other guides for general routing.

# SKIL ROUTER BITS

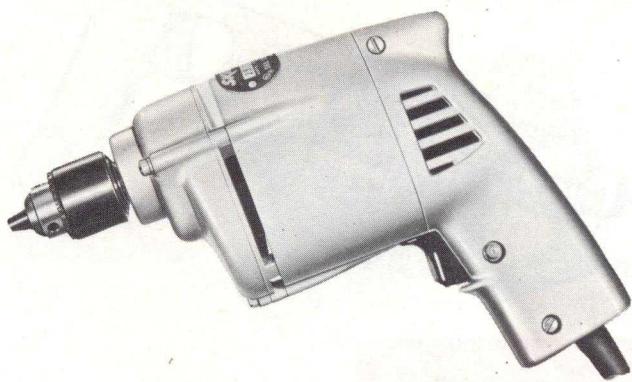


	dimensions				
part no.	A	B	C	D	
<b>A</b> <b>1/4" SHANK CORE BOX BITS—TWO FLUTES</b>	11556 11557 11555 11554 11551	1/4 2/8 1/2 5/8 3/4	1/4 1/4 1 1/32 3/8 1 1/32	1 1 1 1 1	
<b>B</b> <b>DOUBLE-END VEINING BITS—SINGLE FLUTE</b> shank dia. 1/8" shank dia. 1/8" shank dia. 3/16"	19139 19140 19141	1/16 3/32 1/8	5/8 5/16 5/16	1 1/2 1 1/16 2	
NOTE: Use collet adapters with above bits.					
<b>C</b> <b>1/4" SHANK STRAIGHT BITS—TWO FLUTES</b>	11564 11567 11568 11565 11566 19121 19122 19123*	1/4 5/16 3/8 7/16 1/2 5/8 3/4 1/4	5/8 3/4 1 1/16 1 1/16 3/4 5/8 5/8 1 1/8	1 1 1 1 1 1 1 1 1/4	
<b>D</b> <b>1/4" SHANK STRAIGHT BITS—SINGLE FLUTE</b>	19124 19125 19126	1/16 5/32 3/16	3/16 5/16 7/16	1 1 1	1 3/8 1 1/2 1 1/2
<b>E</b> <b>1/4" SHANK DOVETAIL BITS—TWO FLUTES</b> (small dovetail) (large dovetail)	19133 19134	5/32 1/16	5/8 1 1/32	1 1/4 1 3/32	
<b>F</b> <b>1/4" SHANK STRAIGHT BITS—TWO FLUTES (FOR MODEL 299 ROUTER ONLY)</b>	19127 11563 11562 11561 11569 19128*	1/2 5/16 3/4 7/8 1 1/2	1 1/8 1 1/8 1 1/8 1 1/8 1 1/8 2	1 1/8 1 1/8 1 1/8 1 1/8 1 1/8 2	
<b>G</b> <b>1/4" SHANK SURFACING BIT—TWO FLUTES</b>	17088	1/2	19/32	1 5/16	2 1/16
<b>H</b> <b>1/4" SHANK "V" GROOVING BITS—TWO FLUTES</b>	19129 19130	11/32 7/8	7/16 13/16	1 1	1 5/32 1 15/64
<b>I</b> <b>1/4" SHANK COMBINATION PANEL BIT—SINGLE FLUTE</b>	19142	1/4	3/4	1 1/8	2 1/8
NOTE: Combination Panel Bits drill their own starting holes.					
<b>J</b> <b>1/4" SHANK RABBETING BITS—TWO FLUTES</b>	19131 19132	11/16 1 1/16	7/16 1/2	1 1	1/4 5/8
<b>K</b> <b>1/4" SHANK ROUNDING-OVER BITS—TWO FLUTES</b>	11560 11559 11558	1/4 5/8 1/2	1/2 5/8 3/4	1 1 1	
<b>L</b> <b>1/4" SHANK COVE BITS—TWO FLUTES</b>	11553 11550 11552 11573	3/16 1/4 5/8 1/2	5/8 1/2 5/8 3/4	1 1 1 1	
<b>M</b> <b>1/4" SHANK CHAMFERING BIT—TWO FLUTES</b>	11839	1/2	1/2	1	
<b>N</b> <b>1/4" SHANK BEADING BITS—TWO FLUTES</b>	11572 11571 11570	1/8 1/4 3/8	5/8 1/2 3/4	1 1 1	1/4 5/16 5/16
<b>O</b> <b>1/4" SHANK ROMAN OGEE BITS—TWO FLUTES</b>	19135 19136	5/32 1/4	1/2 3/4	1 1	3 1/32 1 3/16
<b>P</b> <b>1/4" SHANK OGEE BITS—TWO FLUTES</b>	19137 19138	3/16 5/32	5/8 2 1/32	1 1	13/16 1 3/16

## SKIL CARBIDE-TIPPED BITS

	dimensions				
part no.	A	B	C	D	
<b>Q</b> <b>1/4" SHANK STRAIGHT BITS—TWO FLUTES</b>	19143 19144 19145	1/4 5/8 1/2	5/8 5/8 5/8	1 1/16 1 1	
<b>R</b> <b>1/4" SHANK COMBINATION PANEL BIT—SINGLE FLUTE</b>	19146	1/4	3/4	1 1/16	2 5/8
NOTE: Combination Panel Bits drill their own holes.					
<b>S</b> <b>1/4" SHANK SURFACING BIT—TWO FLUTES</b>	19147	1/2	5/16	1 3/16	1 13/16

# SKIL DRILLS



## 1/4" MODEL 70 (standard duty)

Lowest priced all ball and needle-roller bearing industrial drill!

Here's power, lightweight handling ease and ball-bearing construction at extremely low cost. Perfect for many plant maintenance and production jobs and for most drilling requirements encountered by service tradesmen — electricians, plumbers, carpenters. Has cool-running 2.5 amp motor; precision cut helical gears; rugged, lightweight, die cast aluminum housing; trigger switch and pin for locking in "on" position; quality construction throughout.



## 1/4" MODEL 75 (heavy-duty)

Provides greater power for constant use on production work and installation jobs yet is lightweight.

Sturdily built with precision gears, 4 heavy-duty ball bearings and 2 needle-roller bearings for dependable performance. Has easily removed inspection cover, trigger switch, pin for locking in "on" position. Built to provide years of heavy duty drilling performance. Available with standard speed (1800 r.p.m.) or choice of six optional speeds (see specifications).



## 1/4" MODEL 243 (heavy-duty)

Powered and geared for continuous heavy duty drilling on production lines or in maintenance and repair work.

Gives peak performance where lower quality tools might overload. Has "in line" handle design that makes it easy to control drill and apply direct pressure with one hand. Features rugged 3 ball and 3 needle-roller bearing construction, precision gears, trigger switch, pin for locking in "on" position, sturdy die cast aluminum housing.

## SPECIFICATIONS

**equipment, all models:** Geared chuck with key, key holder (except Model 70), 3-wire cord and plug.

**motors:** Universal, D.C. or A.C. up to 60 cycles. 115 volts unless otherwise specified on order.

**switches:** Enclosed momentary contact trigger switches with locking pin.  
**bearings:** All ball and needle roller.

model no.	duty rating	cap. in steel, inches	standard speeds		optional speeds		amp rating at 115V	length overall, inches	net weight, lbs.	shpg. weight, lbs.
			no-load r.p.m.	full load r.p.m.	no extra cost r.p.m.	extra cost r.p.m.				
70	standard	1/4	2500	1500	—	—	2.5	8 3/4	2 1/2	4 1/4
75*	heavy	1/4	1800	1100	2500 3500 5000	500 750 1000	3	7 1/4	3 1/4	5
243*	heavy	1/4	2000	1200	—	—	4	11 7/8	5 3/4	8

\*Available with keyless chuck at extra cost.

# SKIL DRILLS

## 5/16" MODEL 253 (heavy-duty)

Equipped with rugged, oversize motor that delivers plenty of extra power for continuous production use.

Compact and lightweight for easier day-long use. Has "in line" handle, trigger switch, pin for locking in "on" position, cord protector, precision gears, rugged die cast aluminum housing and traditional SKIL quality construction throughout. Rugged 4 ball and 2 needle bearing construction for long, dependable performance.



## 3/8" MODEL 76 (standard duty)

An outstanding combination of power, performance, and light weight — all at low cost!

Has plenty of power for handling almost any job yet is priced very low. Big 3/8" capacity in steel. Convenient side handle gives extra control when using large bits, wood augers, hole saws; quickly removes for close quarter drilling. Has trigger switch, pin for locking in "on" position, ball bearing construction, die cast aluminum housing.



## 3/8" MODEL 78 (heavy-duty)

Combines the extra light weight, compactness and convenience of a pistol-grip drill with high torque, large chuck capacity and "tough job" power.

Produces high torque at 750 r.p.m. Quality built with 5 ball and 3 needle-roller bearings and precision-cut gears. Has trigger switch; pin for locking in "on" position; cord protector. Side handle provides extra leverage, removes for drilling in confined areas. Has easily removed inspection cover; sturdy, lightweight aluminum housing.



## SPECIFICATIONS

**equipment:** Geared chuck with key and key holder (Model 76 does not have key holder), 3-wire cord and plug. Models 76 and 78 also include removable auxiliary side handle.

**motors:** Universal, D.C. or A.C. up to 60 cycles, 115 volts, unless otherwise specified on order.

**switches:** Enclosed momentary contact trigger switches with locking pins.

**bearings:** Models 253 and 78 — all ball and needle roller; Model 76 ball bearing construction.

model number	duty rating	cap. in steel, inches	standard speeds r.p.m.		optional speeds r.p.m.		amp. rating 115V	length overall, inches	net weight lbs.	shpg. weight lbs.
			no load	full load	no extra cost	extra cost				
253*	heavy	5/16	1500	900	—	1000	4	11 1/8	6 1/2	8
76	standard	3/8	1000	600	—	—	2.8	9 1/8	4 1/4	6
78	heavy	3/8	750	450	500, 1000	—	3	8 1/4	4 1/4	6

\*Available with keyless chuck at extra cost.

# SKIL DRILLS



### **3/8" MODEL 262 (heavy-duty)**

An excellent all-purpose drill for tradesmen, anyone who wants maximum drilling power with minimum maintenance.

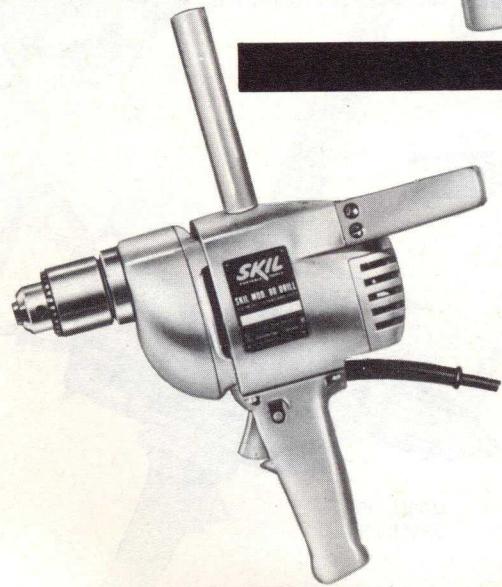
Exceptionally powerful and rugged for toughest drilling in wood, metal, masonry, compositions. All ball and needle bearing construction. Side handle for convenience, extra control in drilling. Has trigger switch with pin for locking "on", die cast aluminum housing.



## **1/2" MODEL 79 (standard duty)**

This new low cost drill handles big capacity jobs; is powerful, extremely easy to handle.

Combines big capacity, compactness and lightweight. Excellent for users who need to drill big  $\frac{1}{2}$ " dia. holes in metal (or much larger in wood) yet want the handling ease and compactness of a pistol grip drill. Side handle gives extra control. All rugged ball and needle bearing construction; precision cut gears, trigger switch with locking pin; light, sturdy die cast aluminum housing.



**1½" MODEL 80      1½" MODEL 290, reversing  
(heavy-duty)**

**Built to provide plenty of power plus complete, positive control for really fast drilling.**

Compact power unit, helical gears and ball and needle bearing construction for dependable performance. Rear spade handle and top pipe handle are removable. Lightweight—weighs almost 6 lbs. less than many competitive models. Die cast aluminum housing, trigger switch and pin for locking "on".

Reversing model 290 has safety type reversing switch to prevent accidental reversing while running. Locked-on chuck can't slip or twist off. Chuck is pressed on a tapered spindle *then locked on to stay on!*

## **SPECIFICATIONS**

**equipment:** Geared chuck with key and key holder; 3-wire cord and plug. Models 262 and 79 have removable side handle; Models 80 and 290 have detachable rear and pipe handles.

**motors:** Universal, D.C. or A.C. up to 60 cycles. 115 volts unless otherwise specified on order.

**switches:** Enclosed momentary contact trigger switches with locking pins. Model 290 also has slide-type reversing switch in handle.

**bearings:** All ball and needle roller bearings.

model number	reversing model no.	duty rating	cap. in steel, inches	standard speeds—r.p.m.		amp. rating at 115V	length overall, inches	net weight, lbs.	shpg. weight, lbs.
				no load	full load				
262	—	heavy	3/8	750	450	4	13	7 1/4	9
79	—	standard	1/2	500	300	3	8 1/4	4 1/4	6
80	290	heavy	1/2	450	275	4.5	12 1/4	9 1/2	11

# SKIL DRILLS

## 1/2" MODEL 263 (heavy-duty)

New, compact, extremely versatile drill that has the capacity and power to handle big drilling jobs.

Full 5 amp rating. Rugged ball and needle roller bearing construction. Auxiliary side handle and "in line" rear handle provide positive control. Has trigger switch with locking pin. Can be used with No. 209 Right Angle Attachment and Self-Feeding Bits for drilling between joists, studding, in other tight places (see Page 36-38). No. 25373 Carrying Case also available (see Page 38).



## 1/2" MODEL 268, right angle

(heavy-duty)

New improved model! Powerful, perfect for easy, accurate drilling between joists, studs and in other normally inaccessible spots. Right angle unit also removes for regular drilling jobs.

Improved right angle unit has new extremely rugged precision gears and bearings for long, maintenance-free use. Handles almost all drilling jobs. Right angle unit mounts two ways to give a low speed for boring large holes or a high speed for drilling small holes. Has ball and needle bearing construction, trigger switch with locking pin, side handle that mounts in front housing on side of drill or in fully adjustable collar on right angle unit. Self-feeding Bits are available (see Page 36) for drilling with Model 268 in places where application of pressure is difficult.

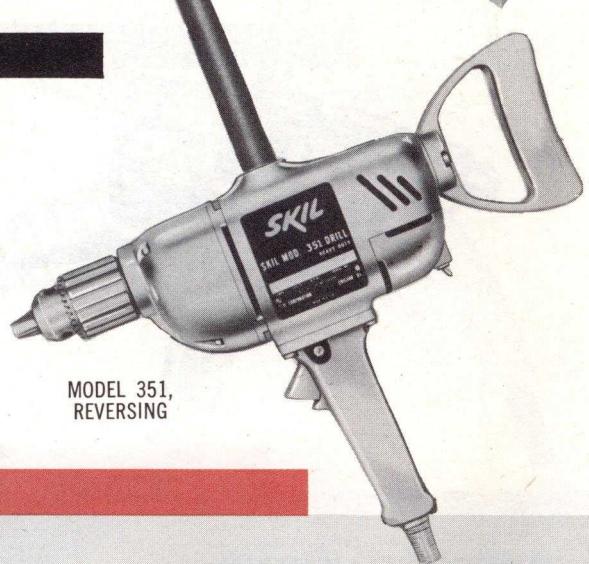


## 1/2" MODEL 283 1/2" MODEL 351, reversing

(super duty)

For use wherever large capacity, power, compactness and handling ease are important.

Built for long service. Drills up to 1/2" in steel, 1 1/2" in hardwood. Extremely powerful, yet compact and easy to handle. Spade type rear handle can be mounted horizontally or vertically or entirely removed. Pipe handle also removable. Ball and needle roller bearing construction, trigger switch, locking pin, die cast aluminum housing. Model 351 (illustrated) has conveniently located reversing switch and locked-on chuck that can't slip or twist off.



MODEL 351,  
REVERSING

## SPECIFICATIONS

**equipment:** All models have geared chuck with key and key holder, 3 wire cord and plug. Models 263 and 268 have auxiliary side handle. Model 268 also includes self feeding bit and carrying case. Models 283, 351, have detachable rear and pipe handles.

**motors:** Universal, D.C. or A.C. up to 60 cycles. 115 volts unless otherwise specified on order.

**switches:** Enclosed momentary contact trigger switches with locking pins. Model 351 also has toggle reversing switch.

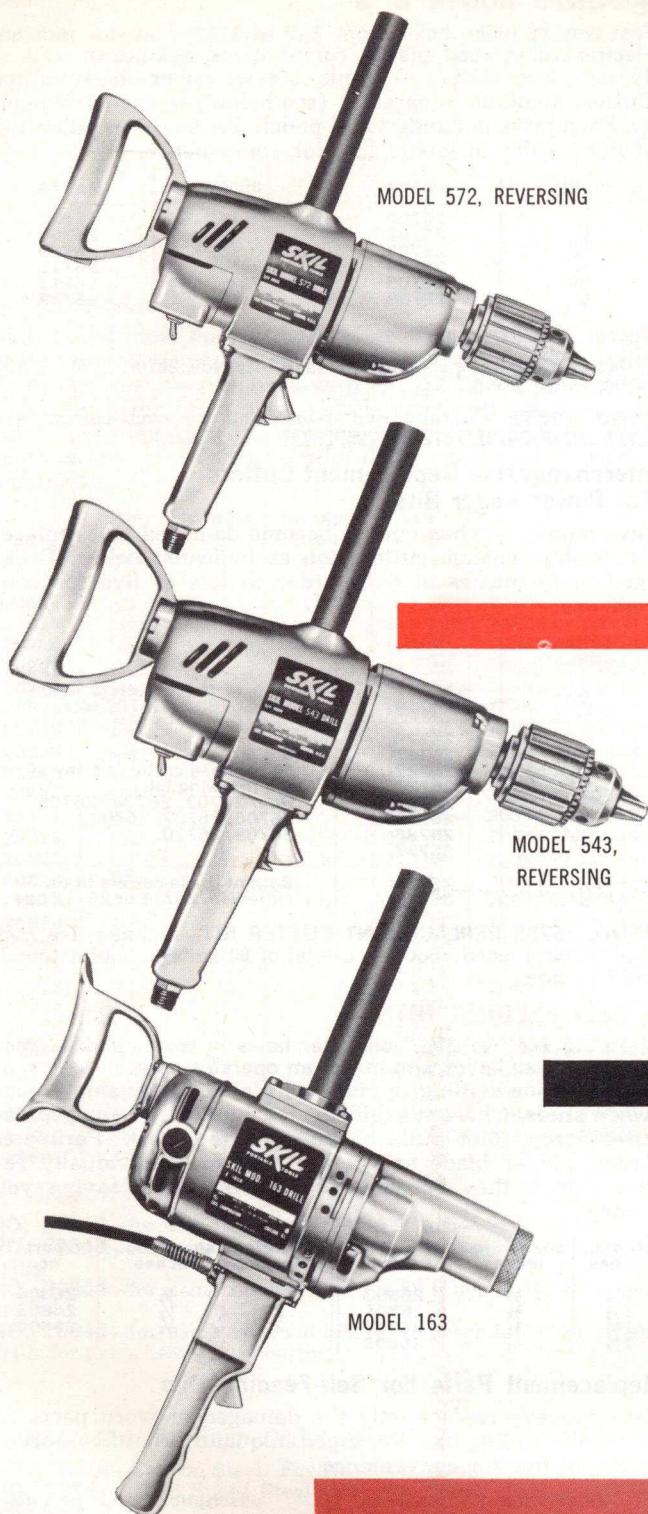
**bearings:** All ball and needle roller bearing construction.

model no.	reversing model no.	duty rating	cap. in steel, inches	standard speeds—r.p.m.		amp. rating at 115V	length overall, inches	net weight, lbs.	shipping weight, lbs.
				no load	full load				
263	—	heavy	1/2	550	350	5	13 1/2	8 1/4	11
268	—	heavy	1/2	350 low 800 high 550 without right angle	210 480 350	5	16 1/4	11 1/4	24
283*	351*	super	1/2	550**	350	6	15	13	15

\*Available with No. 2 Morse Taper Socket in place of geared chuck at no extra cost.

\*\*Available with 1000 r.p.m. no load speed at extra cost.

# SKIL DRILLS



## SPECIFICATIONS

**equipment:** Adjustable spade type rear handle; detachable pipe handle; 3 wire cord and plug. Models 2103, 572, 2123, 543 have geared chuck with key and key holder. Models 163, 443 have No. 3 Morse Taper socket.

**motors:** Universal, D.C. or A.C. up to 60 cycles. 115 volts unless otherwise specified on order.

### 5/8" MODEL 2103 5/8" MODEL 572, reversing (super duty)

Built to give powerful, continuous performance on every tough drilling job.

Drill up to 5/8" in steel. Powerful motor delivers tremendous torque. Exceptional balance and handling ease cut fatigue, speed up work. Pipe and rear handles remove for drilling in tight areas. Both models have trigger switch with locking pin, spring-type cord protector, all ball and needle bearing construction. Reversing model features key locked chuck that is pressed on the tapered spindle then locked on to stay on . . . it can't twist or pull off!

### 3/4" MODEL 2123 3/4" MODEL 543, reversing (super duty)

Feature tremendous power, rugged construction and big capacity . . . yet lightweight for easier handling.

Outstanding drills for use with wood augers for deep boring in timbers or with twist drills in drilling up to 3/4" in steel. Have 4 ball and 4 needle-roller bearings for years of dependable service. Die cast aluminum housing for lightweight, ruggedness. Trigger switch, locking pin, spring type cord protector. Removable pipe and rear handles—rear handle mounts horizontally or vertically. Reversing model has key locked chuck that can't twist or pull off under heaviest load!

### 1" MODEL 163 1" MODEL 443, reversing (super duty)

Designed for the most severe service—wherever large capacity and day-in and day-out dependability are required.

Drill up to 1" in steel. No. 3 Morse Taper socket is recessed into gear housing to reduce length, provide better balance and control. Long contour grip switch handle, adjustable rear handle and extra long pipe handle also aid control. Both models have trigger switch, pin for locking in "on" position, spring-type cord protector, rugged die cast aluminum housings. Optional speeds available to meet specific requirements (see specifications below).

**switches:** Enclosed momentary contact trigger switches. Models 572, 543, 443 also have toggle reversing switch.

**bearings:** All ball and needle-roller construction; Morse Taper mounted in heavy-duty bronze bearings in Models 163, 443.

model no.	reversing model no.	duty rating	cap. in steel, inches	standard speed r.p.m.		no load	extra cost optional speeds, r.p.m.	amp rating at 115	length overall, inches	net weight, lbs.	shpg. weight, lbs.
				no load	full load						
2103*	572*	super	5/8	450	275		1000	8	16 1/8	14 1/4	18
2123**	543**	super	3/4	375	225		450, 1000	9	17 3/4	16 1/4	19
163	443	super	1	375	225		225, 300, 450	9	18 3/8	25 1/2	30

\*Available with No. 2 Morse Taper socket in place of geared chuck at no extra cost.

\*\*Available with No. 2 or No. 3 Morse Taper socket in place of geared chuck at no extra cost.

# SKIL DRILL ACCESSORIES



**A** POWER AUGER BITS

**NEW!**



**B** NO. 26730

**C** NO. 19839

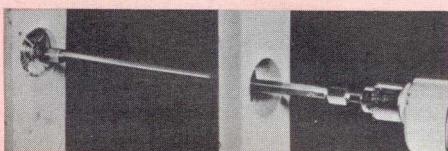
POWER AUGER BIT SETS



**D** NO. 26733 REPLACEMENT CUTTER KIT



**E** SELF FEEDING BIT



**F** EXTENSION SHANKS



**G** NO. 26826 REPLACEMENT PARTS KIT

## POWER AUGER BITS

Fast way to make holes from  $\frac{3}{8}$ " to  $1\frac{1}{4}$ " diameter with any electric drill in wood, plastic, compositions, wall board.

Three piece design — shank, screw, super-sharp cutter. Cutters available separately (see below) to save you money. Each bit is in handy vinyl pouch. Packaged in quantities of five—order in lots of five for convenience.

bit dia.	part no.	bit dia.	part no.
$\frac{3}{8}$ "	26700	$1\frac{3}{16}$ "	26707
$\frac{1}{2}$ "	26702	$\frac{7}{8}$ "	26708
$\frac{9}{16}$ "	26703	$1\frac{5}{16}$ "	26709
$\frac{5}{8}$ "	26704	1"	26710
$1\frac{1}{16}$ "	26705	$1\frac{1}{4}$ "	26711
$\frac{3}{4}$ "	26706	$1\frac{1}{4}$ "	26712

## Power Auger Bit Sets

**B** No. 26730—Consists of one each bits Nos. 26700, 26702, 26704, 26706, 26708, 26710.

**C** No. 19839—Contains two shanks and one each cutters Nos. 26717, 26719, 26721, 26723, 26725, 26727 (see below).

## Interchangeable Replacement Cutters For Power Auger Bits

Save money — when cutters become damaged buy replacements. Interchange cutters too as indicated below. Packaged in quantities of five—order in lots of five for convenience.

cutter dia.	part no.	
$\frac{3}{8}$ "	26717	both of these cutters fit on No. 26700 or 26702 bits
$\frac{1}{2}$ "	26719	
$\frac{9}{16}$ "	26720	All of these cutters fit any of the following bits: Nos. 26703, 26704, 26705, 26706, 26707, 26708, 26709, 26710.
$\frac{5}{8}$ "	26721	
$1\frac{1}{16}$ "	26722	
$\frac{3}{4}$ "	26723	
$1\frac{3}{16}$ "	26724	
$\frac{7}{8}$ "	26725	
$1\frac{5}{16}$ "	26726	
1"	26727	
$1\frac{1}{8}$ "	26728	Both of these cutters fit on either No. 26711 or 26712 bits
$1\frac{1}{4}$ "	26729	

**D** No. 26733 REPLACEMENT CUTTER KIT—Includes five each of all cutters listed above — a total of 60 cutters — plus screws and free case.

## SELF-FEEDING BITS

Make big  $1\frac{1}{4}$ " to  $2\frac{9}{16}$ " diameter holes in wood, plastic, compositions, wall board with minimum operator pressure.

Excellent for drilling in confined places, for example—between studs, where it's difficult for operator to apply pressure. Screw pilot pulls bit through the work. Perimeter cutter, planer blade and screw pilot are individually replaceable if they become worn or damaged, saving you money.

bit dia., inches	shank dia., inches	part no.	bit dia., inches	shank dia., inches	part no.
$1\frac{1}{4}$	$\frac{3}{8}$	26800	2	$\frac{1}{2}$	26804
$1\frac{1}{2}$	$\frac{3}{8}$	26801	2	$\frac{1}{2}$	26805
$1\frac{3}{4}$	$\frac{3}{8}$	26802	$2\frac{1}{16}$	$\frac{1}{2}$	26806
$1\frac{1}{8}$	$\frac{3}{8}$	26803			

## Replacement Parts For Self-Feeding Bits

Save money—replace only the damaged or worn parts on your self-feeding bits. Packaged in quantities of five—order in lots of five for convenience.

description	part no.	description	part no.
$1\frac{1}{4}$ " planer blade	26807	$2\frac{9}{16}$ " planer blade	26822
$1\frac{1}{2}$ " planer blade	26814	perimeter cutter	26808
$1\frac{3}{4}$ " planer blade	26815	screw pilot	26809
$1\frac{7}{8}$ " planer blade	26816	brad pilot (for drilling "blind" holes)	26810
$2\frac{1}{8}$ " planer blade	26817		
$2\frac{1}{8}$ " planer blade	26821		

## EXTENSION SHANKS—for Self-Feeding Bits

For deep drilling jobs (example: through two or more studs). Additional coupling needed for each extension shank, since regular shank must be attached to extensions for chucking.

description	part no.	description	part no.
6" extension shank (for $1\frac{1}{4}$ " to $1\frac{1}{2}$ " bits)	26811	18" extension shank (for 2" to $2\frac{9}{16}$ " bits)	26819
18" extension shank (for $1\frac{1}{4}$ " to $1\frac{1}{2}$ " bits)	26812	coupling (for $1\frac{1}{4}$ " to $1\frac{1}{2}$ " bits)	26813
6" extension shank (for 2" to $2\frac{9}{16}$ " bits)	26818	coupling (for 2" to $2\frac{9}{16}$ " bits)	26820

**G** No. 26826 REPLACEMENT PARTS KIT—Contains 5 each Nos. 26807, 26809, 26810, 26814, 26815, 26816, 26817, 26821, 26822; 4 each Nos. 26813, 26820; 10 Nos. 26808 with screws and free case!

# SKIL DRILL ACCESSORIES

## ④ HOLE SAWS for $\frac{1}{4}$ " and larger drills

High speed steel cutting edge gives fast cutting of wood, metal, plastics, composition and other materials. Hole saws up to  $\frac{1}{2}$ " dia. may be used with No. 20842 Mandrel in  $\frac{1}{4}$ " or larger drills; other sizes of hole saws and mandrels require  $\frac{1}{2}$ " or larger drills. Design permits virtually unlimited depth of cut. *Mandrels and pilot drills not included. Order separately.*

part no.	diam. of saw, inches	for pipe tap size	for pipe entrance size	saw arbor size	use mandrel
20818	$\frac{5}{8}$			$\frac{1}{2} \times 20$	20842 or 20843
20819	$\frac{3}{4}$			$\frac{1}{2} \times 20$	20842 or 20843
20820	$\frac{7}{8}$	$\frac{3}{4}$		$\frac{1}{2}$	20842 or 20843
20821	1			$\frac{1}{2} \times 20$	20842 or 20843
20822	$1\frac{1}{8}$	1		$\frac{1}{2} \times 20$	20842 or 20843
20823	$1\frac{1}{4}$			$\frac{1}{2} \times 20$	20842 or 20843
21559	$1\frac{1}{4}$			$\frac{5}{8} \times 18$	20844 or 20845
20824	$1\frac{1}{8}$		1	$\frac{1}{2} \times 20$	20842 or 20843
21560	$1\frac{3}{8}$			$\frac{5}{8} \times 18$	20844 or 20845
20825	$1\frac{1}{2}$			$\frac{1}{2} \times 20$	20842 or 20843
21561	$1\frac{1}{2}$	$1\frac{1}{4}$		$\frac{5}{8} \times 18$	20844 or 20845
20826	$1\frac{1}{8}$			$\frac{5}{8} \times 18$	20844 or 20845
20827	$1\frac{3}{4}$	$1\frac{1}{2}$		$\frac{5}{8} \times 18$	20844 or 20845
20828	$1\frac{1}{8}$			$\frac{5}{8} \times 18$	20844 or 20845
20829	2			$\frac{5}{8} \times 18$	20844 or 20845
20830	$2\frac{1}{8}$			$\frac{5}{8} \times 18$	20844 or 20845
20831	$2\frac{1}{4}$	2		$\frac{5}{8} \times 18$	20844 or 20845
20832	$2\frac{3}{8}$			$\frac{5}{8} \times 18$	20844 or 20845
20833	$2\frac{1}{2}$		2	$\frac{5}{8} \times 18$	20844 or 20845
20834	$2\frac{5}{8}$			$\frac{5}{8} \times 18$	20844 or 20845
20835	$2\frac{3}{4}$	$2\frac{1}{2}$		$\frac{5}{8} \times 18$	20844 or 20845
20836	$2\frac{7}{8}$			$\frac{5}{8} \times 18$	20844 or 20845
20837	3			$\frac{5}{8} \times 18$	20844 or 20845
20838	$3\frac{1}{8}$			$\frac{5}{8} \times 18$	20844 or 20845
20839	$3\frac{1}{4}$	3		$\frac{5}{8} \times 18$	20844 or 20845
20840	$3\frac{3}{8}$			$\frac{5}{8} \times 18$	20844 or 20845
20841	$3\frac{1}{2}$			$\frac{5}{8} \times 18$	20844 or 20845

## ① MANDRELS WITH PILOT DRILLS

**NO. 20842**—for using saws with  $\frac{1}{2}$ " x 20 arbor in  $\frac{1}{4}$ " drills.  
**NO. 20843**—for using saws with  $\frac{1}{2}$ " x 20 arbor in  $\frac{1}{2}$ " or larger drills.

**NO. 20844**—for using saws with  $\frac{5}{8}$ " x 18 arbor in  $\frac{1}{2}$ " or larger drills.

**NO. 20845**—for using saws with  $\frac{5}{8}$ " x 18 arbor in  $\frac{1}{2}$ " or larger drills for extra heavy duty cutting.

## Replacement Pilot Drills only ( $\frac{1}{4}$ " dia.)

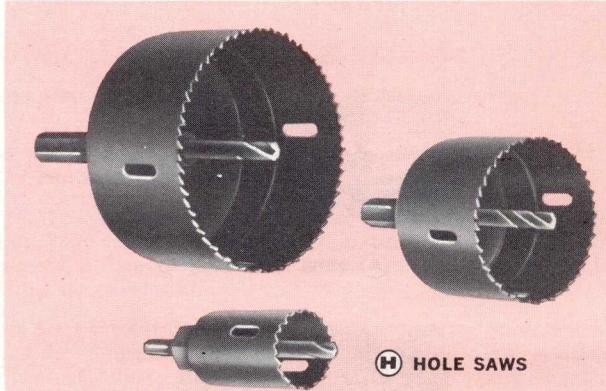
**NO. 20874**—Carbon Steel. For No. 20842 mandrel.  
**NO. 20847**—High Speed Steel. For Nos. 20843, 20844 and 20845 mandrels.

## ④ DRILL STANDS

Quality built, sturdy drill stands quickly convert SKIL Drills and Screwdrivers into stationary tools. Rack and pinion gearing produces great feed pressure with little effort.

**NO. 6401**—For Models 45, 47, 70, 75, 134, 161 Drills. **NO. 6403**—For Models 64, 80, 181, 281. **NO. 4870**—For Models 123, 163, 332, 443. **NO. 9480**—For Models 283, 351. **NO. 9490**—For Models 543, 571, 572, 2101, 2103, 2121, 2123.

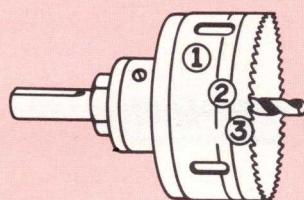
part numbers:	6401 6403	4870 9480 9490
vertical adjustment of column	14"	16"
maximum travel of drill head	4"	5"
drilling radius from column center	7"	8"
leverage ratio	20:1	26:1
shipping weight	40	58



④ HOLE SAWS

## ONE PIECE CONSTRUCTION

3 types of steel are forge-welded . . . then rolled to gauge . . . will not edge-strip or shatter.

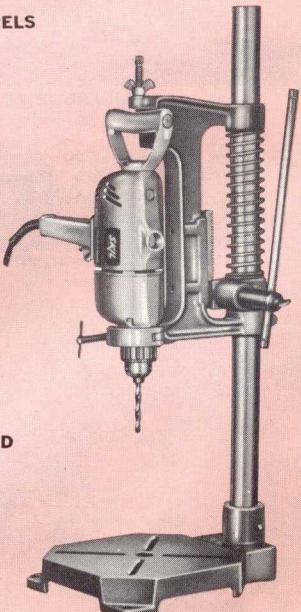


No. 20842



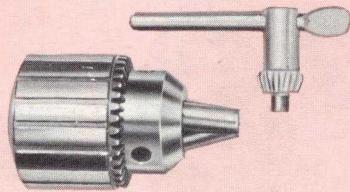
No. 20845

## ① MANDRELS



④ DRILL STAND

# SKIL DRILL ACCESSORIES



Ⓐ DRILL CHUCK



Ⓑ KEYLESS CHUCK



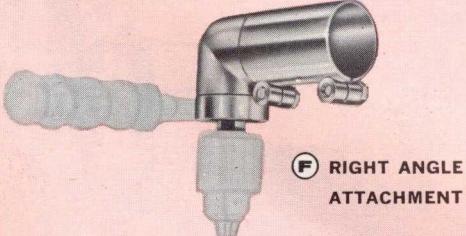
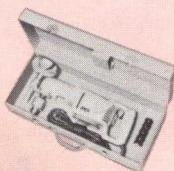
Ⓒ MORSE TAPER ARBOR



Ⓓ MORSE TAPER REDUCING SLEEVE



Ⓔ ARBOR ADAPTER

Ⓕ RIGHT ANGLE  
ATTACHMENT

Ⓖ CARRYING CASE

## Ⓐ DRILL CHUCKS

Highest quality. For use on SKIL drills as indicated and other makes having thread size or taper indicated.

chuck & key no.	key & key holder no.	capacity	spindle & thread size	duty rating	for SKIL drill model nos.
2125	1952	1/4"	3/8"-24	standard	70, 134, 138, 161, 241, 503, 549, 550, 1100, 1101
1773	3385	1/4"	3/8"-24	heavy	45, 47, 49, 75, 243 type 3
1754	3385	1/4"	1/2"-20	heavy	242, 243, types 1 & 2, 244
1776	3387	5/16"	3/8"-24	heavy	253 type 2
1757	3387	5/16"	1/2"-20	heavy	250, 253 type 1
2038	2752	3/8"	3/8"-24	standard	76, 560
21384	3387	3/8"	3/8"-24	heavy	78, 262, 269
4423	3766	5/8"	1/2"-20	heavy	64, 260
2150	2752	1/2"	3/8"-24	standard	541, 1106
26230	2752	1/2"	3/8"-24	heavy	79
2050	2752	1/2"	1/2"-20	standard	542, 544, 1107
1771	3766	1/2"	1/2"-20	heavy	80, 181, 263, 268, 281
4424	9032	1/2"	3/4"-16	heavy	283
4425	9032	5/8"	3/4"-16	heavy	2101, 2103
1765	1766*	3/4"	3/4"-16	heavy	123, 2121, 2123
4426	9032	1/2"	#6 Jacobs	heavy	351 (up to serial no. B78801)
20901	9032	1/2"	#6 Jacobs	heavy	351 (Serial No. B78801 Up)
4427	9032	5/8"	#3 Jacobs Taper	heavy	571, 572 (up to Serial No. B83500)
23128	9032	5/8"	#3 Jacobs Taper	heavy	572 (Serial No. B83500 Up)
1772	1766*	3/4"	#3 Jacobs Taper	heavy	332, 543 (up to Serial No. B783001)
21457	1766*	3/4"	#3 Jacobs Taper	heavy	543 (Serial No. B783001 Up)

\*Does not include key holder

## OTHER CHUCK KEYS

No. 1752—For small (1/8") pilot hole 1/4" chucks.

No. 11238—For 3/8" Jacobs 2B chuck.

## Ⓑ KEYLESS CHUCKS

For users who prefer convenience of keyless chucks.

part no.	capacity	spindle & thread size	for SKIL models
23070	1/4"	3/8"-24	45, 47, 49, 75, 134, 138, 243 type 3, 1101
1756	1/4"	1/2"-20	242, 243 types 1 & 2, 244
23072	5/16"	1/2"-20	250, 253

## Ⓒ MORSE TAPER ARBORS

No. 1737—No. 2 Morse taper arbor.

No. 1767—No. 3 Morse taper arbor.

Arbors above fit drills with Morse taper sockets. Either arbor will mount No. 4427 (5/8") or No. 1772 (3/4") geared chucks with No. 3 Jacobs taper sockets.

No. 1768—No. 3 Morse taper arbor with 5/8" geared chuck and key.

No. 1769—No. 3 Morse taper arbor with 3/4" geared chuck and key.

No. 2341—Drift key for removing No. 2 Morse taper arbor.

No. 3435—Drift key for removing No. 3 Morse taper arbor.

## Ⓓ NO. 1770 MORSE TAPER REDUCING SLEEVE

Permits use of drill bits with No. 2 Morse shanks in any drill having No. 3 Morse taper socket.

## Ⓔ NO. 4438 ARBOR ADAPTER

Fits 1/4" or larger capacity drill. Allows use of wire wheels, grinding wheels, other accessories with 1/2" arbor holes.

## Ⓕ NO. 209 RIGHT ANGLE ATTACHMENT

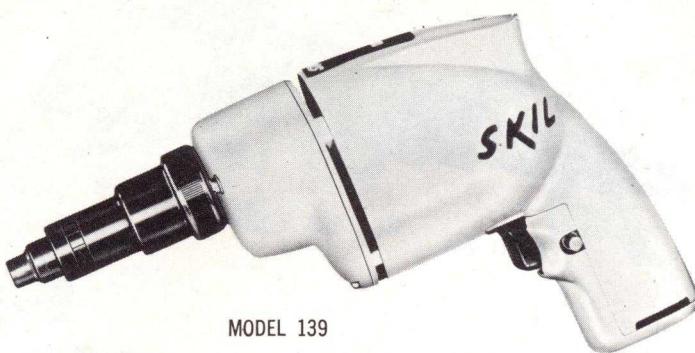
Converts Model 263 to two speed right angle drill. Has rugged gears, precision bearings. Fits directly on Model 263 type 2; adapter (No. 25789) needed for Model 263 type 1.

## Ⓖ NO. 25373 CARRYING CASE

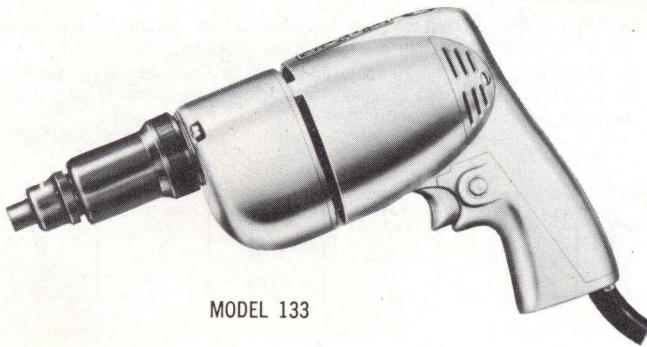
Sturdy, all-steel carrying case for No. 263 Drill and Right Angle Attachment.

# SKIL

## SCREWDRIVERS



MODEL 139

MODEL 140  
(REVERSING)

MODEL 133



### HOW POSITIVE CLUTCH DRIVERS WORK

Two precision machined, angle ground clutch jaws engage when driver is applied to screw or nut and torque is maintained as long as pressure is applied by operator. The amount of tightening delivered is entirely dependent on the operator. This type of clutch is excellent on jobs where torque require-

## POSITIVE CLUTCH MODELS

### MODEL 139

### MODEL 140, reversing

capacities: no. 10 wood and self-tapping screws;  
no. 12 machine screws, nuts

The lowest cost true drivers you can buy! Built for light to heavy duty production work.

Preferred in operations such as assembly of wood and other materials which have non-uniform densities and where the use of different screw sizes demands varied torque requirements.

Excellent for cabinet and furniture shops, metal and wood working manufacturers and installers, builders, contractors, electricians, boat builders, auto body shops, heating and air conditioning work . . . anywhere that power fastening can speed up work, cut costs.

Both models have trigger switch, pin for locking in "on" position, rugged die cast aluminum housing, quick change finder, ball thrust and sleeve bearings. Lightweight, balanced design. Model 140 also has reversing switch mounted on top for fast disassembly work.

### MODEL 133

### MODEL 173, reversing

capacities: No. 12 wood and self-tapping screws;  
1/4" diameter machine screws, nuts.

Rugged performers built for continuous, heavy duty driving and production assembly. Excellent for driving in wood or other materials which have a non-uniform density or for operations where screw sizes vary thus demanding varied torque requirements. Lightweight and compact. Heavy duty motor is extremely powerful. Ball and needle bearing construction; trigger switch and pin for locking in "on" position. Model 173 identical to model 133 except has toggle reversing switch under handle near cord.

ments vary, such as when fastening wood or other materials with varying densities and when driving different size screws. When screw or nut is tight a slight impact is felt by operator. Jaws disengage immediately when pressure is released and do not re-engage until operator again applies pressure.

## SPECIFICATIONS

**equipment:** Models 139 and 140 include No. 6764 bit; No. 21277 quick change finder. Models 133 and 173 include No. 6764 bit; No. 6754 finder. All models have 3 wire cord and plug.

**motor:** Universal, D.C. or A.C. up to 60 cycles. 115 volts unless otherwise specified on order.

**bearings:** Models 139 and 140 ball bearing construction. Models 133, 173 have sealed, permanently lubricated ball and needle-roller construction.

**switches:** All models have momentary contact trigger switches. Models 140, 173 also have reversing switches.

model no.	reversing model no.	type clutch	drive	capacities machine screws and nuts	wood screws and self tapping screws	std. speed, no load, r.p.m.	*optional speeds, r.p.m.	amp. rating at 115V	length overall, inches	net weight, lbs.	shpg. weight, lbs.
139	140	positive	1/4" hex.	No. 12	No. 10	900	—	2.5	10 1/8	3 1/2	5
133	173	positive	1/4" hex.	1/4"	No. 12	750	500, 1000, 1500	3	10 1/4	3 3/4	6

\*Optional speed available at no extra cost.

See pages 46 thru 49 for Screwdriver Accessories

# SKIL "DRYWALL" SCREWDRIVERS

## MODEL 240, reversing

capacity: No. 6 drywall screws

Fast, easy low cost way to install drywall (wallboard) panels to metal or wood studs. Drives drywall screws to exact desired depth without marring or damaging panels, without marring screwheads.

Built specifically for installing drywall—but does other jobs too! Adjustable Depth Locator quickly pre-sets for "dimple-sinking" No. 6 drywall screws just below panel surfaces. Bit disengages automatically from screw when pre-set depth is reached. *No nail pop-ups and panel surfaces are not marred or broken!* Result: joint cementing and sanding is much faster, far easier.

Depth locator snaps off for using Model 240 in reverse (to remove screws driven at incorrect angles). To resume driving, simply snap locator on again—*no need to reset depth adjustment!* With locator removed, Model 240 can also be used for regular screwdriving or nutrunning jobs (see capacities below; available bits, sockets and finders on pages 46-49).

## MODEL 273, reversing (heavy-duty)

Has all the features of Model 240 but is built for heavy-duty use. Recommended for continuous, all-day driving.

## SPECIFICATIONS

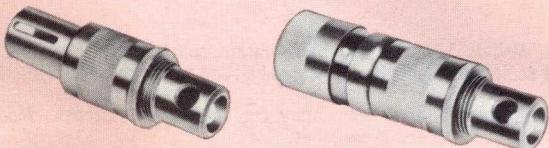
**equipment:** Models 240, 273 include No. 26625 Magnetic Bit Holder. Model 240 includes No. 26659 Depth Locator, No. 26626 No. 2 Phillips Head Bit. Model 273 includes No. 26660 Depth Locator, No. 26627 No. 2 Phillips Head Bit. Both models have 3 wire cord and plug.

**motor:** Universal, D.C. or A.C. up to 60 cycles. 115 volts unless otherwise specified on order.

model no.	type clutch	drive	capacities			std. speed, no load, r.p.m.	amp. rating at 115V	length, overall, inches	net weight, lbs.	shpg. weight, lbs.
			drywall screws	machine screws and nuts	wood screws and self-tapping screws					
240	positive	1/4" hex.	No. 6	No. 12	No. 10	900	2.5	10 1/8	3 1/2	5
273	positive	1/4" hex.	No. 6	1/4"	No. 12	1500	3	10 1/4	3 3/4	6

## SKIL "DRYWALL" SCREWDRIVER ACCESSORIES

### DEPTH LOCATORS



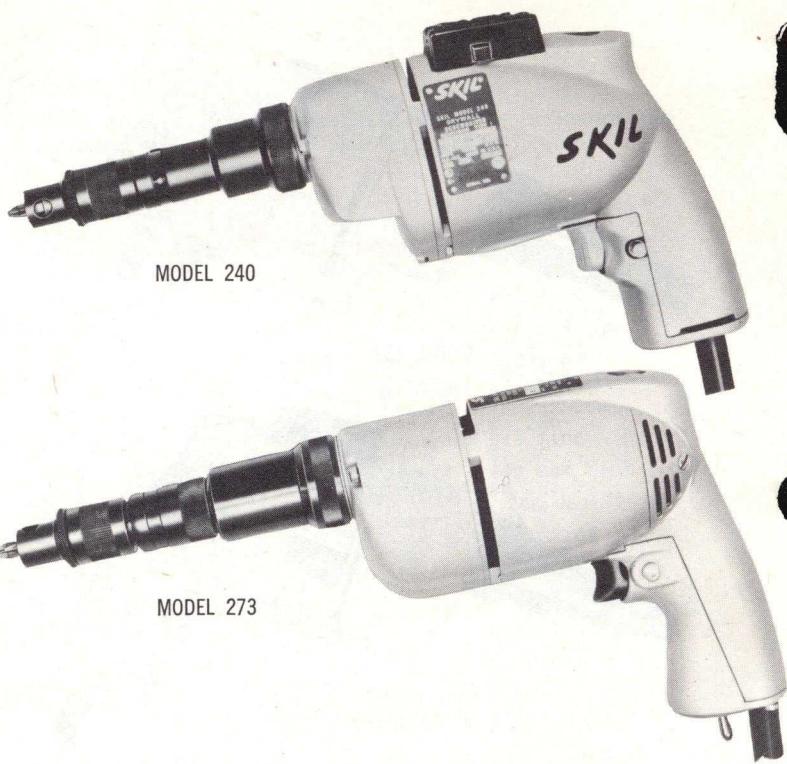
(A) NO. 26659

(B) NO. 26660

(C) MAGNETIC BIT HOLDER

(D) NO. 26626

(E) NO. 26627



**bearings:** Model 240 has ball bearing construction. Model 273 has sealed, permanently lubricated ball and needle-roller construction.

**switches:** Both models have enclosed momentary contact trigger switches. Model 240 has slide type reversing switch on top. Model 273 has toggle reversing switch under handle near cord.

### (A) NO. 26659 DEPTH LOCATOR

Same as furnished with Model 240. Can also be used with Models 139, 140, 235 and 272 to convert these models to drywall screwdrivers.

### (B) NO. 26660 DEPTH LOCATOR

Same as furnished with Model 273. Can also be used with Models 132, 133, 172, 173, 316 and 346 to convert these models to drywall screwdrivers.

### (C) NO. 26625 MAGNETIC BIT HOLDER

Same as furnished with Models 240, 273. Can also be used with all Skil Screwdrivers when equipped with proper Depth Locator.

### (D) NO. 26626 NO. 2 PHILLIPS BIT

Same as furnished with Model 240. Can be used on Models 139, 140, 235, 272 when equipped with No. 26659 Depth Locator and Magnetic Bit Holder.

### (E) NO. 26627 NO. 2 PHILLIPS BIT

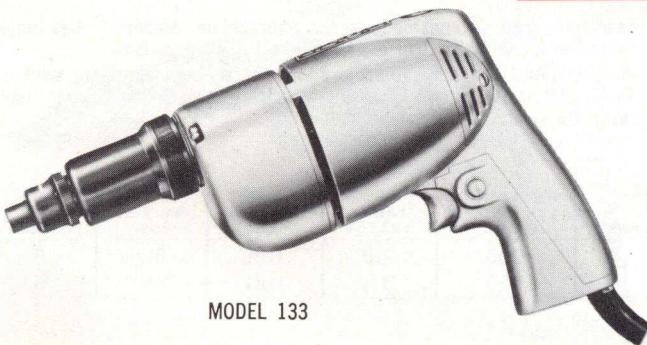
Same as furnished with Model 273. Can be used on Models 132, 133, 172, 173, 316 and 346 when equipped with No. 26660 Depth Locator and Magnetic Bit Holder.

# SKIL

## SCREWDRIVERS



MODEL 139

MODEL 140  
(REVERSING)

MODEL 133



### HOW POSITIVE CLUTCH DRIVERS WORK

Two precision machined, angle ground clutch jaws engage when driver is applied to screw or nut and torque is maintained as long as pressure is applied by operator. The amount of tightening delivered is entirely dependent on the operator. This type of clutch is excellent on jobs where torque require-

ments vary, such as when fastening wood or other materials with varying densities and when driving different size screws. When screw or nut is tight a slight impact is felt by operator. Jaws disengage immediately when pressure is released and do not re-engage until operator again applies pressure.

### SPECIFICATIONS

**equipment:** Models 139 and 140 include No. 6764 bit; No. 21277 quick change finder. Models 133 and 173 include No. 6764 bit; No. 6754 finder. All models have 3 wire cord and plug.

**motor:** Universal, D.C. or A.C. up to 60 cycles. 115 volts unless otherwise specified on order.

**bearings:** Models 139 and 140 ball bearing construction. Models 133, 173 have sealed, permanently lubricated ball and needle-roller construction.

**switches:** All models have momentary contact trigger switches. Models 140, 173 also have reversing switches.

model no.	reversing model no.	type clutch	drive	capacities machine screws and nuts	wood screws and self tapping screws	std. speed, no load, r.p.m.	*optional speeds, r.p.m.	amp. rating at 115V	length overall, inches	net weight, lbs.	shpg. weight, lbs.
139	140	positive	1/4" hex.	No. 12	No. 10	900	—	2.5	10 1/2	3 1/2	5
133	173	positive	1/4" hex.	1/4"	No. 12	750	500, 1000, 1500	3	10 1/4	3 3/4	6

\*Optional speed available at no extra cost.

See pages 46 thru 49 for Screwdriver Accessories

# SKIL "DRYWALL" SCREWDRIVERS

## MODEL 240, reversing

capacity: No. 6 drywall screws

Fast, easy low cost way to install drywall (wallboard) panels to metal or wood studs. Drives drywall screws to exact desired depth without marring or damaging panels, without marring screwheads.

Built specifically for installing drywall—but does other jobs too! Adjustable Depth Locator quickly pre-sets for "dimple-sinking" No. 6 drywall screws just below panel surfaces. Bit disengages automatically from screw when pre-set depth is reached. *No nail pop-ups and panel surfaces are not marred or broken!* Result: joint cementing and sanding is much faster, far easier.

Depth locator snaps off for using Model 240 in reverse (to remove screws driven at incorrect angles). To resume driving, simply snap locator on again—*no need to reset depth adjustment!* With locator removed, Model 240 can also be used for regular screwdriving or nutrunning jobs (see capacities below; available bits, sockets and finders on pages 46-49).

## MODEL 273, reversing (heavy-duty)

Has all the features of Model 240 but is built for heavy-duty use. Recommended for continuous, all-day driving.

## SPECIFICATIONS

**equipment:** Models 240, 273 include No. 26625 Magnetic Bit Holder. Model 240 includes No. 26659 Depth Locator, No. 26626 No. 2 Phillips Head Bit. Model 273 includes No. 26660 Depth Locator, No. 26627 No. 2 Phillips Head Bit. Both models have 3 wire cord and plug.

**motor:** Universal, D.C. or A.C. up to 60 cycles. 115 volts unless otherwise specified on order.

model no.	type clutch	drive	capacities			std. speed, no load, r.p.m.	amp. rating at 115V	length, overall, inches	net weight, lbs.	shpg. weight, lbs.
			drywall screws	machine screws and nuts	wood screws and self-tapping screws					
240	positive	1/4" hex.	No. 6	No. 12	No. 10	900	2.5	10 1/8	3 1/2	5
273	positive	1/4" hex.	No. 6	1/4"	No. 12	1500	3	10 1/4	3 3/4	6

## SKIL "DRYWALL" SCREWDRIVER ACCESSORIES

### DEPTH LOCATORS



(A) NO. 26659



(B) NO. 26660



(C) MAGNETIC BIT HOLDER



(D) NO. 26626



(E) NO. 26627

**bearings:** Model 240 has ball bearing construction. Model 273 has sealed, permanently lubricated ball and needle-roller construction.

**switches:** Both models have enclosed momentary contact trigger switches. Model 240 has slide type reversing switch on top. Model 273 has toggle reversing switch under handle near cord.

### (A) NO. 26659 DEPTH LOCATOR

Same as furnished with Model 240. Can also be used with Models 139, 140, 235 and 272 to convert these models to drywall screwdrivers.

### (B) NO. 26660 DEPTH LOCATOR

Same as furnished with Model 273. Can also be used with Models 132, 133, 172, 173, 316 and 346 to convert these models to drywall screwdrivers.

### (C) NO. 26625 MAGNETIC BIT HOLDER

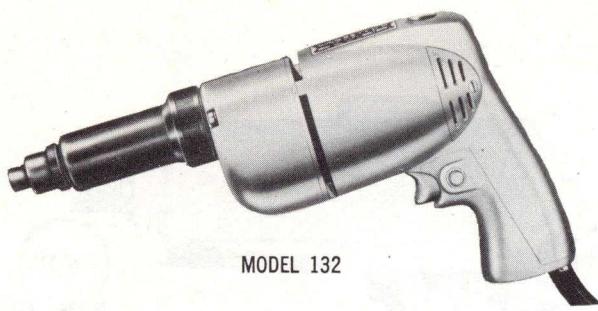
Same as furnished with Models 240, 273. Can also be used with all Skil Screwdrivers when equipped with proper Depth Locator.

### (D) NO. 26626 NO. 2 PHILLIPS BIT

Same as furnished with Model 240. Can be used on Models 139, 140, 235, 272 when equipped with No. 26659 Depth Locator and Magnetic Bit Holder.

### (E) NO. 26627 NO. 2 PHILLIPS BIT

Same as furnished with Model 273. Can be used on Models 132, 133, 172, 173, 316 and 346 when equipped with No. 26660 Depth Locator and Magnetic Bit Holder.



MODEL 132



MODEL 316



MODEL 235

**How Adjustable Clutch Drivers Work**

A manually engaged clutch drives an easily adjusted slip-type clutch that automatically begins slipping (ratcheting) as soon as the pre-set torque is reached. Provides uniform fastening *without guesswork* for driving identical screws, nuts in materials of consistent density.

**SPECIFICATIONS**

**Equipment:** Models 132, 172, 316, 346 include No. 6764 bit; No. 6754 finder; light and extra light clutch tension springs in addition to standard; 3-wire cord and connector. Models 235, 272 include No. 6764 bit; 21277 finder; adjusting wrench; 3-wire cord and connector.

**How Anti-Ratcheting Clutch Drivers Work**

Simply pre-set *externally* the exact torque desired for your assembly requirements anywhere from 15 to 100 inch lbs. Clutch locks open immediately when pre-set torque is reached. There's no slipping, ratcheting or chatter and *no possibility of any additional tightening regardless of operator pressure*. Move to the next screw or nut and the clutch immediately engages when applied to the work.

**Motors:** Universal D.C. or A.C. up to 60 cycles. 115 volts unless otherwise specified on order.

**Bearings:** Sealed, permanently lubricated ball and needle-roller bearing construction.

**Switches:** Enclosed momentary contact trigger switches except Models 316, 346 which have paddle switch. Models 172, 272, 346 also have toggle reversing switch.

model no.	reversing model no.	type clutch	drive	capacities machine screws and nuts wood screws and self tapping screws	std. speed, no load, r.p.m.	*optional speeds, r.p.m.	amp. rating	length overall, inches	net weight, lbs.	shpg. weight, lbs.
132	172	adjustable	1/4" hex.	1/4" No. 12	750	500, 1000, 1500	3	11 1/8	3 3/4	6
316	346	adjustable	1/4" hex.	1/4" No. 12	750	500, 1000, 1250	1.9	15 1/8	4 1/2	6
235	272	anti-ratcheting	1/4" hex.	1/4" No. 12	750	500, 1000	3	12 1/8	4 1/2	6

See Pages 46 thru 49 for Screwdriver Accessories

\*Includes feature on which patent is pending.

\*\*Optional speeds no extra cost.

# SKIL AIR IMPACT WRENCHES

## COMPACT PISTOL GRIP MODELS

### 1/2" COMPACT AUTOMOTIVE MODEL 1109

1/2" square drive

Tremendous power plus lightweight, compact design are combined in this remarkable new wrench.

Priced low, too! Narrow front housing designed for use in normally inaccessible or hard-to-reach areas. Provides fast driving and removing of nuts, bolts, studs and screws. Has high-torque motor that delivers consistent, powerful blows without "skipping"; exclusive all ball and roller bearing construction. Can even be operated effectively on 3/16" I.D. air hose where maximum flexibility is desired such as when working in confined areas. Use for drilling, tapping with proper Skil accessories. *Has many important advanced features; see Page 45 for full information.*



MODEL 1109  
Range—1/4" to 1/2"

### 1/2" COMPACT INDUSTRIAL MODEL 1092

1/2" square drive

heavy-duty

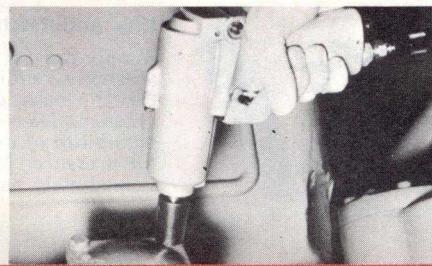
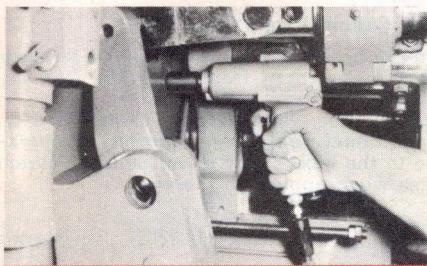
The finest compact wrench you can buy for continuous, heavy-duty operation!

Has all the advanced features of Model 1109 but, in addition, comes with super-strong, one-piece steel front housing. Stands up under the heaviest work loads. An excellent tool for plant maintenance work, equipment installation, assembly line production. *Has many important advanced features; see Page 45 for full information.*



MODEL 1092  
Range—1/4" to 1/2"

Go where other wrenches can't . . .



## SPECIFICATIONS

equipment: Trigger throttle, forward-reverse valve, integral oiler, torque and speed selector, hose connection, can of No. 24586 Air Motor Solvent.

model no.	type drive	blows per min. at max. output	no load speed, r.p.m.	air inlet size	recommended hose size	length to shoulder	net weight, lbs.	shpg. weight, lbs.
1109	1/2" square	800	11,000	1/4"	5/16"	5 3/4"	3 3/8	5 3/8
1092	1/2" square	800	11,000	1/4"	5/16"	5 3/4"	3 3/8	5 3/8

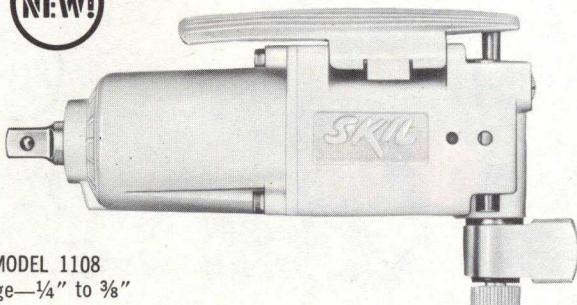
SKIL

AIR IMPACT  
WRENCHES

43

## LEVER THROTTLE MODELS

NEW!

MODEL 1108  
Range— $\frac{1}{4}$ " to  $\frac{3}{8}$ "

NEW!

MODEL 1090  
Range— $\frac{1}{4}$ " to  $\frac{3}{8}$ "

NEW!

MODEL 1091  
Range— $\frac{1}{4}$ " to  $\frac{1}{2}$ "

## 3/8" AUTOMOTIVE MODEL 1108

## 3/8" square drive

Here's a small wrench with really big power—at an exceptionally low price.

Quickly drives and removes nuts, bolts, studs and screws. Lightweight, compact design—weighs just 3 lbs.—makes it easy to use in hard-to-reach, confined areas with minimal operator fatigue. Also does drilling, tapping. Large lever throttle makes operation fast, easy. Has Skil's "Balanced Blow" design to assure consistent delivery of full power, all ball and roller bearing construction. Has many important advanced features; see Page 45 for full information.

## 3/8" INDUSTRIAL MODEL 1090

## 3/8" square drive

heavy-duty

Designed and built for heavy-duty industrial jobs.

Has all the outstanding features of Model 1108 plus tough, one-piece steel front housing to withstand rugged, continuous use. An ideal tool for overhead suspension set-ups in assembly line operations, and for doing scores of shop maintenance and repair jobs. Has many important advanced features; see Page 45 for full information.

## 1/2" INDUSTRIAL MODEL 1091

## 1/2" square drive

heavy-duty

Has all the special features of Models 1108 and 1090 but has greater operating range.

Drives and removes bolts, nuts, screws, studs. Excellent for heavy-duty, continuous-use production requirements—any job where speed and ease of assembly will save money. Has many important advanced features; see Page 45 for full information.

## SPECIFICATIONS

Equipment: Lever throttle, forward-reverse valve, integral oiler, torque and speed selector, hose connection, can of No. 24586 Air Motor Solvent.

model no.	type drive	blows per min. at max. output	no load speed, r.p.m.	air inlet size	recommended hose size	length to shoulder	net weight, lbs.	shpg. weight, lbs.
1108	3/8" square	800	11,000	1/4"	5/16"	6 1/8"	3	5
1090	3/8" square	800	11,000	1/4"	5/16"	6 1/8"	3	5
1091	1/2" square	800	11,000	1/4"	5/16"	6 1/8"	3	5

SEE PAGES 46 THRU 49 FOR IMPACT WRENCH ACCESSORIES

SKIL

AIR IMPACT  
WRENCHES

## PISTOL GRIP MODELS

## 5/8" AUTOMOTIVE MODEL 1110

## 1/2" square drive

Combines high power output, hard hitting blow with low air consumption, low maintenance.

Provides very fast driving and removing of bolts, nuts, studs. Features Skil's "Balanced Blow" design that virtually eliminates jarring kick-back that robs ordinary wrenches of power. Entire impact mechanism is oil lubricated and sealed against leakage. When used with proper Skil accessories does scores of other jobs such as drilling, tapping, wire brushing. See next page for full information on features.

## 3/4" AUTOMOTIVE MODEL 1113

## 5/8" square drive (not illustrated)

Same as Model 1110 but with larger 5/8" square drive for jobs requiring the efficient running and removing of larger sized bolts and nuts. Range—3/8" to 3/4".

## 5/8" INDUSTRIAL MODEL 1080

## 1/2" square drive

## heavy-duty

Outperforms any other wrench in its class!

Has all the features of Model 1110 plus strong one-piece steel front housing to meet the rugged requirements of continuous operation on heavy-duty industrial applications. Excellent for assembly line production, metal fabrication jobs, equipment and machinery installation, steel building erection, trailer manufacturing—any job where the money-saving advantages of fast, accurate power fastening is desirable. See next page for full information on features.

## 3/4" INDUSTRIAL MODEL 1081

## 5/8" square drive

## heavy-duty

Does all the jobs that Model 1080 will do and more because of its bigger capacity.

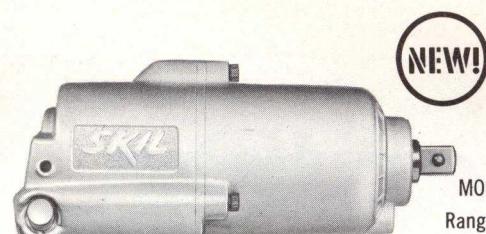
Features include one-piece steel front housing, drives and removes bolts, nuts, studs from 3/8" to 3/4" dia. For full information on the features of this wrench, see next page.

## INDUSTRIAL MODEL 1082

## 7/16" hexagon socket drive

## heavy-duty

Has all the heavy-duty features of Models 1080, 1081. An excellent tool for use in assembly line operations requiring frequent changing of bits for driving screws of different sizes, types. All 7/16" hexagon shank bits fit directly on wrench. Steel, one-piece front housing withstands hard usage. For information on features, see page 45.



MODEL 1110  
Range—1/4" to 5/8"



MODEL 1080  
Range—1/4" to 5/8"



MODEL 1081  
Range—3/8" to 3/4"



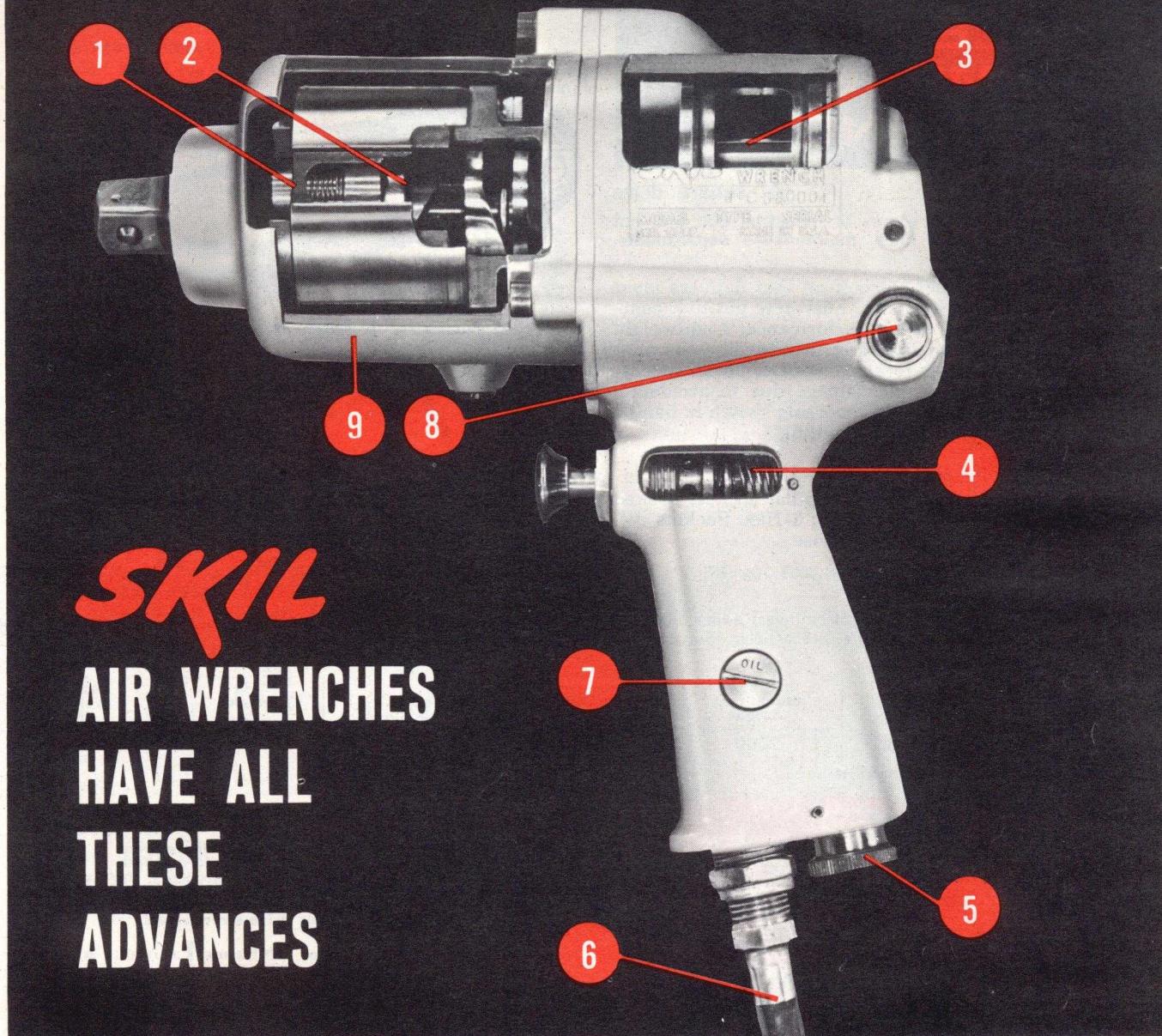
MODEL 1082  
RANGE —

Up to 5/16" self-tap screws  
Up to 5/8" machine screws  
Up to No. 24 wood screws  
Up to 1/2" lag screws

## SPECIFICATIONS

Equipment: Trigger throttle forward-reverse valve, integral oiler, torque and speed selector, hose connection, can of No. 24586 Motor Solvent.

model no.	type drive	blows per min. at max. output	no load speed, r.p.m.	air inlet size	recommended hose size	length to shoulder	net weight, lbs.	shpg. weight, lbs.
1110	1/2" square	675	6,500	1/4"	5/16"	6 3/4"	6	8
1113	5/8" square	675	6,500	1/4"	5/16"	6 3/4"	6	8
1080	1/2" square	675	8,400	1/4"	5/16"	6 3/4"	6 1/2	8 1/2
1081	5/8" square	675	8,400	1/4"	5/16"	6 3/4"	6 1/2	8 1/2
1082	7/16" hex socket	675	8,400	1/4"	5/16"	6 3/4"	6 3/4	8 3/4

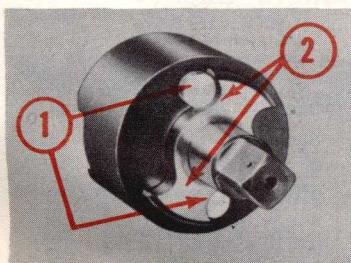


## SKIL AIR WRENCHES HAVE ALL THESE ADVANCES

- ① "BALANCED BLOW" (see details below) consistently delivers smooth full power.
- ② Impact mechanism ③ motor ④ valve system\* are all separate units for easy maintenance.
- ⑤ Complete torque and speed control.
- ⑥ Air consumption so low that wrench even operates effectively on flexible,  $3/16$ " inner dia. hose. (See page 65)

- ⑦ Built-in oiler automatically meters oil into mechanism.
- ⑧ Protected "forward-reverse" switch.
- ⑨ Strong, one-piece steel front housing.\*\*

... and all SKIL Air Wrenches have EXCLUSIVE ALL BALL AND ROLLER BEARING CONSTRUCTION for long life.



### HERE'S HOW SKIL "BALANCED BLOW" WORKS...

Impact mechanism has two cam actuated jaws (1) that descend and strike anvil (2) on both sides of center simultaneously. These jaws retract and make a full revolution before again striking the anvil. The result: constant, full power delivery without the destructive internal stress and jarring kickback of single jaw wrenches.

# SKIL

## ELECTRIC IMPACT WRENCH

### 1/2" MODEL 823

1/2" square drive

Saves time and money on scores of industrial bolt and nut driving jobs in production lines, maintenance departments, repair shops.

Has new improved impact mechanism that delivers more power and is built for long use, plus new positive commutation for improved motor performance. Lightweight and well balanced for easy handling. Rubber bumper rings protect tool. Conveniently located "positive-lock" reversing switch eliminates possible damage due to accidental change in direction. Location of reversing switch in handle prevents damage during rough handling.

### MODEL 824 IMPACT WRENCH KIT

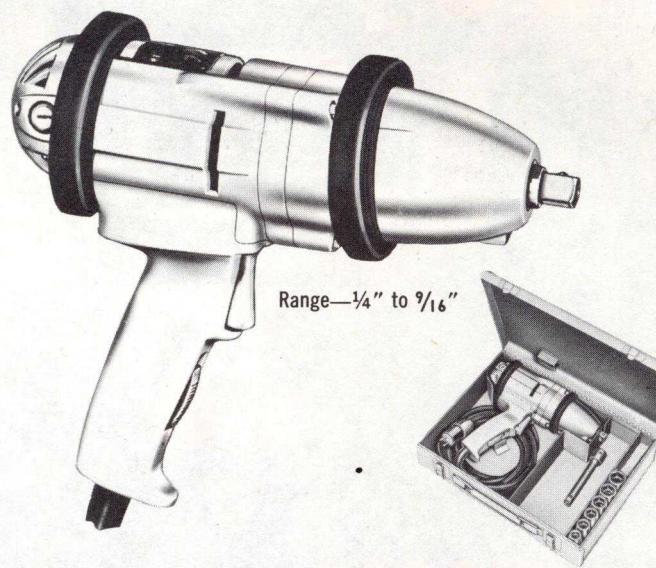
Includes Models 823 and the most popular sockets packed in steel case. Contains: 1-Model 823; 6-Hex. Sockets, 1/2" to 1 3/16" in 16ths; 1-No. 21706 Steel Case.

### SPECIFICATIONS

**equipment:** Model 823 has momentary contact trigger switch, reversing switch, two No. 21235 bumper rings, 3-wire cord and plug. See above for items contained in Model 824 Kit.

model no.	type drive	blows per min. at max. output	amp. rating at 115V	length to shoulder	net weight, lbs.	shpg. weight, lbs.
823	1/2" square	2000	4	9 1/2"	7†	9

†Net wgt., Model 824 Kit 15 1/2 lbs.; shpg. wgt. 18 lbs.



**motor:** Universal D.C. and A.C. up to 60 cycles. 115 volts unless otherwise specified on order.

## SKIL IMPACT WRENCH- SCREWDRIVER ACCESSORIES



(A) SOCKET WRENCH SHANK



(B) SOCKET ADAPTER

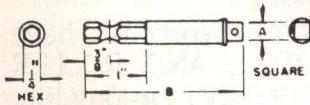


(C) HEXAGON SOCKET



(D) DOUBLE SQUARE SOCKET

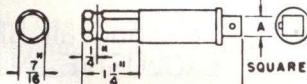
### (A) SOCKET WRENCH SHANKS



1/4" Hexagon Shank

Fit all screwdrivers with 1/4" hex drive. Use on 3/8" sq. dr. wrenches with No. 24750 Adapter (see page 49).

part no.	A (inches)	B (inches)
6791	1/4	2
6792	1/4	6
6793	3/8	3
6794	3/8	6



7/16" Hexagon Shank

Fit 7/16" hex drive screwdrivers, 7/16" hex socket drive wrenches. For 1/2" sq. dr. wrenches use No. 24350 Adapter (see page 49).

part no.	A (inches)	B (inches)
6661	3/8	2 3/4
6662	3/8	5
6663	1/2	2 3/4
6664	1/2	5

### (B) SOCKET ADAPTERS

No. 26240—To use 3/8" sq. dr. sockets with 1/2" sq. dr. wrenches.

No. 24359—To use 1/2" sq. dr. sockets with 5/8" sq. dr. wrenches.

No. 19313—To use 5/8" sq. dr. sockets with 1/2" sq. dr. wrenches.

### (C) HEXAGON SOCKETS

#### 1/4" Square Drive Standard Length

For 1/4" hex drive screwdrivers. Use with Nos. 6791, 6792 Socket Wrench Shanks.

part no.	A*(inches)
6681	1/4
6682	9/32
6683	5/16
6684	11/32
6685	3/8
6686	7/16



#### 3/8" Square Drive Standard Length

Fit 3/8" Sq. Dr. wrenches. For 1/2" sq. dr. wrenches use No. 26240 Adapter (see below). Use proper socket wrench shanks for 1/4" and 7/16" hex drive screwdrivers.

part no.	A*(inches)
24760	5/16
24761	11/32
6503	3/8
6504	7/16
6505	1/2



#### 5/8" Square Drive Standard Length

Fit 5/8" Sq. Dr. wrenches. Use on 1/2" sq. drive wrenches with No. 19313 Adapter (see below).



#### 1" Square Drive Standard Length

Fit 1" sq. dr. wrenches. Use on 5/8" sq. drive wrenches with No. 19313 Adapter (see below).

### (D) DOUBLE SQUARE SOCKETS

#### 3/8" Square Drive Standard Length

Fit 3/8" sq. dr. wrenches. For 1/2" sq. dr. wrenches use No. 26240 Adapter (see below). Use proper socket shanks for 1/4" and 7/16" hex drive screwdrivers.

part no.	A*(inches)
19320	3/8
19321	7/16
19322	1/2
19323	9/16
19324	5/8
19325	11/16
19326	3/4
19327	19/32
19328	7/8
19329	15/16
19330	1



#### 1/2" Square Drive Standard Length

Fit 1/2" sq. dr. wrenches. For 5/8" sq. drive wrenches use No. 24359 Adapter (see below). Use with Nos. 6663, 6664 Socket Wrench Shanks for 7/16" hex drive screwdrivers.

part no.	A*(inches)
24390	5/8
24391	11/16
24392	3/4
24393	13/16
24394	7/8
24395	1 1/16



#### 5/8" Square Drive Standard Length

Fit 5/8" sq. dr. wrenches. For 1/2" sq. drive wrenches use No. 24359 Adapter (see below). Use with Nos. 6663, 6664 Socket Wrench Shanks for 7/16" hex drive screwdrivers.

\* Measured across flat of bolt head.

# SKIL IMPACT WRENCH- SCREWDRIVER ACCESSORIES

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## Ⓐ BITS FOR SLOTTED HEAD SCREWS

### 1/4" Hexagon Shank

Fit all 1/4" hex drive screwdrivers. Use on Skil Models 132, 133, 139, 140, 172, 173, 235, 272, 316 and 346. Can be used on 3/8" sq. drive wrenches when equipped with No. 24750 Quick-Change Screwdriver Adapter (see page 49). See below for proper finder.

part no.	bit size	wood screws flat round	machine screws flat* round	A (in.)	B (in.)	C (in.)
6761	4F- 5R	4	5	.4	.187	1 1/16
6762	5F- 6R	5	6	.5	.250	1 1/16
6763	6F- 8R	6	8	.6	.250	1 1/16
6764	8F-10R	8	10	.8	.275	1 1/16
6765	10F-12R	10	12	.10	.312	1 1/16
6766	12F-14R	12	14	1/4	.360	1 1/16
6534	4F- 5R	4	5	.4	.187	3 1/2
6535	5F- 6R	5	6	.5	.250	3 1/2
6536	6F- 8R	6	8	.6	.250	3 1/2
6537	8F-10R	8	10	.8	.275	3 1/2
6538	10F-12R	10	12	.10	.312	3 1/2
6539	12F-14R	12	14	1/4	.360	3 1/2

\*Also for oval, fillister and binding head screws.

## Ⓑ FINDERS

For 1/4" hexagon shank slotted head screw bits listed above.

part no.**	bit size	A for screwhead dia. min. (inches)	B max.	C nose dia. (inches)	D overall length (inches)
<b>For Models 132, 133, 172, 173, 316 and 346.</b>					
6751	4F- 5R	.196	.250	5/16	1 1/16
6752	5F- 6R	.260	.312	3/8	1 1/16
6753	6F- 8R	.260	.375	7/16	1 1/16
6754	8F-10R	.290	.437	1/2	1 1/16
6755	10F-12R	.323	.468	1 1/32	1 1/16
6756	12F-14R	.375	.515	9/16	1 1/16
6194	4F- 5R	.196	.250	5/16	2 5/8
6195	5F- 6R	.260	.312	3/8	2 5/8
6196	6F- 8R	.260	.375	7/16	2 5/8
6197	8F-10R	.290	.437	1/2	2 5/8
6198	10F-12R	.323	.468	1 1/32	2 5/8
6199	12F-14R	.375	.515	9/16	2 5/8
<b>For Models 139, 140, 235 and 272.</b>					
21274	4F- 5R	.196	.250	5/16	1 1/32
21275	5F- 6R	.260	.312	3/8	1 1/32
21276	6F- 8R	.260	.375	7/16	1 1/32
21277	8F-10R	.290	.437	1/2	1 1/32
21278	10F-12R	.323	.468	1 1/32	1 1/32
21279	12F-14R	.375	.515	9/16	1 1/32

## BITS WITH FINDERS FOR SLOTTED HEAD SCREWS

### Ⓒ 1/4" Hexagon Shank

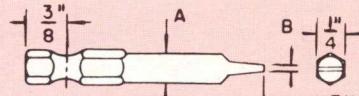
Fit all 1/4" hex drive screwdrivers. Use on Skil Models 132, 133, 139, 140, 172, 173, 235, 272, 316 and 346. Can be used on 3/8" Sq. drive wrenches when equipped with No. 24750 Quick-Change Screwdriver Adapter (see page 49).

part no. bit & finder	bit size	A for screwhead dia. min. (inches)	B nose dia. (inches)	C bit body dia. (inches)	D blade thickness (inches)	F overall lghth. (inches)
6771	5F- 6R	.203	.296	3/8	.193	.036
6772	6F- 8R	.250	.390	7/16	.241	.040
6773	8F-10R	.297	.437	1/2	.290	.042
6774	10F-12R	.359	.500	9/16	.350	.046
6775	5F- 6R	.203	.296	3/8	.193	.036
6776	6F- 8R	.250	.390	7/16	.241	.040
6777	8F-10R	.297	.437	1/2	.290	.042
6778	10F-12R	.359	.500	9/16	.350	.046

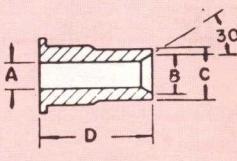
### Ⓓ 7/16" Hexagon Shank

Fit directly on Skil Model 1082 and other 7/16" hex drive wrenches. Also fit 7/16" hex drive screwdrivers. Use on former Skil Models 305, 306, 308, 309, 335, 336, 338 and 339 screwdrivers. To use on 1/2" sq. drive wrenches use with No. 24350 Quick-Change Screwdriver Adapter (see page 49).

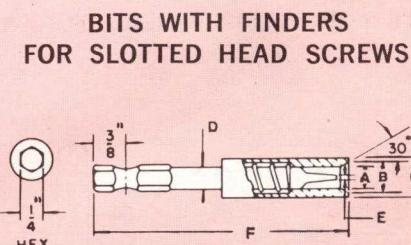
part no. bit & finder	part no. bit only	bit size	A for screwhead dia. min. (inches)	B nose dia. (inches)	C	D bit body dia. (inches)	E blade thickness (inches)	F overall lghth. (inches)
6991	6551	6F- 8R	.250	.390	7/16	.241	.040	3 3/4
6992	6552	8F-10R	.297	.437	1/2	.290	.042	3 3/4
6993	6553	10F-12R	.359	.500	9/16	.350	.046	3 3/4
6994	6554	12F-14R	.406	.546	1 1/16	.395	.050	3 3/8
6995	6555	14F-16R	.472	.609	1 1/16	.457	.055	4 1/8
6996	6556	16F-20R	.516	.656	3/4	.503	.060	4 1/8
6998	6557	20F-22R	.563	.703	1 1/16	.545	.062	4 1/8
6135	6558	24F-24R	.609	.857	1 1/16	.595	.065	4 1/8



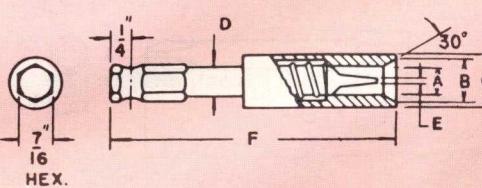
Ⓐ BIT FOR SLOTTED HEAD SCREWS



Ⓑ FINDER



Ⓒ 1/4" HEXAGON SHANK

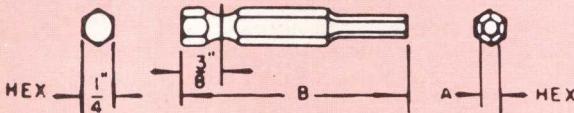


Ⓓ 7/16" HEXAGON SHANK

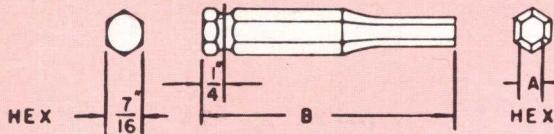
# SKIL

## IMPACT WRENCH-SCREWDRIVER ACCESSORIES

### BITS FOR HEX SOCKET SCREWS

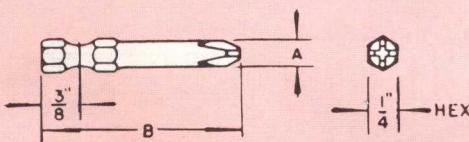


**(A) 1/4" HEXAGON SHANK**

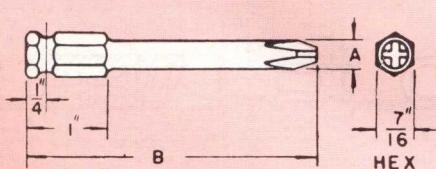


**(B) 7/16" HEXAGON SHANK**

### BITS FOR PHILLIPS HEAD SCREWS



**(C) 1/4" HEXAGON SHANK**



**(D) 7/16" HEXAGON SHANK**

### BITS FOR HEX SOCKET SCREWS

#### **(A) 1/4" Hexagon Shank**

For all screwdrivers with 1/4" hex drive. Use on Skil Models 132, 133, 139, 140, 172, 173, 235, 272, 316 and 346. Can be used on 3/8" sq. drive wrenches when equipped with No. 24750 Quick-Change Screwdriver Adapter (see page 49). Finders are not required.

part no.	socket head cap screw	flat head socket cap screw	socket set screw	pipe plug	A (inches)	B (inches)
6893	No. 5-6	No. 8	No. 10-12	..	3/32	1 1/16
6894	No. 8	No. 10-12	1/4	..	1/8	1 1/16
6895	No. 10-12	1/4	5/16	..	5/32	1 1/16
6896	1/4	5/16	3/8	..	3/16	1 1/16
26297*	No. 6	..	..	..	7/64	1 1/16
26299*	No. 8	..	..	..	9/64	1 1/16

\*For new "1960 Series" screws

#### **(B) 7/16" Hexagon Shank**

Fit directly on Skil Model 1082 and other 7/16" hex drive wrenches. Also fit 7/16" hex drive screwdrivers. Use on former Skil Models 305, 306, 308, 309, 335, 336, 338 and 339 screwdrivers. To use on 1/2" sq. drive wrenches, use with No. 24350 Quick-Change Screwdriver Adapter (see page 49). Finders are not required.

part no.	socket head cap screw	flat head socket cap screw	socket set screw	pipe plug	A (inches)	B (inches)
6671	1/4	5/16	3/8	1/8	3/16	3 1/2
6672	5/16	3/8	7/16	..	7/32	3 1/2
6673	..	7/16	1/2	1/4	1/4	3 1/2
6674	3/8, 7/16	1/2	5/8	3/8	5/16	3 1/2
6675	1/2, 7/16	5/8	3/4	1/2	3/8	3 1/2

### BITS FOR PHILLIPS HEAD SCREWS

#### **(C) 1/4" Hexagon Shank**

For all screwdrivers with 1/4" hex drive. Use on Skil Models 132, 133, 139, 140, 172, 173, 235, 272, 316 and 346. Can be used on 1/4" sq. drive wrenches when equipped with No. 24750 Quick-Change Screwdriver Adapter (see page 49). Finders are not required.

part no.	point size	A	B	wood screws		machine screws	
				flat and oval	round	flat, oval and binding	round and fillister
6781	1	.187	1 1/16	Nos. 4 and smaller	Nos. 4 and smaller	Nos. 4 and smaller	Nos. 4 and smaller
6782	1	.187	3 1/2	5 to 9	5 to 10	5 to 10	5 to 10
6783	2	.248	1 1/16	5 to 9	5 to 10	5 to 10	5 to 10
6784	2	.248	3 1/2	5 to 9	5 to 10	5 to 10	5 to 10
6785	3	.312	1 1/16	10 to 16	12 to 16	12 to 1/4	12 to 3/4
6786	3	.312	3 1/2	10 to 16	12 to 16	12 to 1/4	12 to 3/4

#### **(D) 7/16" Hexagon Shank**

Fit directly on Skil Model 1082 and other 7/16" hex drive wrenches. Also fit 7/16" hex drive screwdrivers. Use on former Skil Models 305, 306, 308, 309, 335, 336, 338 and 339 screwdrivers. To use on 1/2" sq. drive wrenches, use with No. 24350 Quick-Change Screwdriver Adapter (see page 49). Finders are not required.

part no.	point size	A	B	wood screws		machine screws	
				flat and oval	round	flat, oval and binding	round and fillister
6651	2	.248	3 1/2	Nos. 5 to 9	Nos. 5 to 10	Nos. 5 to 10	Nos. 5 to 10
6652	2	.248	4 1/2	5 to 9	5 to 10	5 to 10	5 to 10
6653	3	.312	3 1/2	10 to 16	12 to 16	12 to 1/4	12 to 3/4
6654	3	.312	4 1/2	10 to 16	12 to 16	12 to 1/4	12 to 3/4
6655	4	.373	3 1/2	18 to 24	18 to 24	5/16 to 1/2	3/8 to 1/2
6656	4	.373	4 1/2	18 to 24	18 to 24	5/16 to 1/2	3/8 to 1/2

# SKIL IMPACT WRENCH- SCREWDRIVER ACCESSORIES

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## Ⓐ QUICK-CHANGE SCREWDRIVER ADAPTERS

No. 24750—Fits directly on any  $\frac{3}{8}$ " square drive wrench. Quick-Change feature permits instant changing of  $\frac{1}{4}$ " hex shank screwdriver bits and socket shanks.

No. 24350—Fits directly on any  $\frac{1}{2}$ " square drive wrench. Quick-Change feature permits instant changing of  $\frac{7}{16}$ " hex shank screwdriver bits and socket shanks.

## Ⓑ NO. 19600 RIGHT ANGLE ATTACHMENT

Fits any  $\frac{1}{2}$ " square drive wrench. Use on any  $\frac{5}{8}$ " sq. dr. wrench with No. 24359 Socket Adapter (see page 46). For removing or replacing nuts, bolts in difficult to reach locations.

## Ⓒ EXTENSION BARS

Add extra length to spindle for hard-to-reach nuts, bolts. Use Nos. 19311, 19312 on  $\frac{5}{8}$ " sq. dr. Wrenches with No. 24359 Adapter (see page 46).

for all $\frac{3}{8}$ " sq. drive wrenches	for all $\frac{1}{2}$ " sq. drive wrenches
part no.	length
26237	3"
26238	6"
19311	5"
19312	10"

## Ⓓ UNIVERSAL JOINTS

For driving sockets at odd angles. Provide clearances around obstructions. Use No. 19310 on  $\frac{5}{8}$ " sq. dr. wrenches when equipped with No. 24359 Adapter (see page 46).

No. 19310—For all  $\frac{1}{2}$ " square drive wrenches.

No. 26239—For all  $\frac{3}{8}$ " square drive wrenches.

## Ⓔ NO. 19315 COLLET CHUCK

Fits any  $\frac{1}{2}$ " square drive impact wrench. To use on any  $\frac{5}{8}$ " square drive impact wrench, use with No. 24359 Socket Adapter (see page 46). Permits wrench to be used for drilling and tapping. Drilling capacity,  $\frac{3}{16}$ " to  $\frac{3}{8}$ "; tapping capacity, #10 to  $\frac{1}{2}$ ". Includes wrench.

No. 19316 Collet—Interchangeable with collet in No. 19315 chuck. Provides drilling capacity of  $\frac{1}{4}$ " to  $\frac{1}{2}$ "; tapping capacity of  $\frac{5}{16}$ " to  $\frac{5}{8}$ ".

No. 16208 Wrench—same as furnished with No. 19315.

## Ⓕ NO. 24090 $\frac{1}{2}$ " KEYLESS CHUCK

For use with  $\frac{1}{2}$ " sq. drive impact wrenches. Use with any  $\frac{1}{8}$ " to  $\frac{1}{2}$ " shank drill accessories to do many extremely tough drilling jobs. Impacting action provides tremendous torque with minimum effort on part of operator.

## Ⓖ NO. 24342 PLASTIC BOOT

Fits Models 1110, 1113, 1080, 1081, 1082. Provides protection against scuffing, damage. Made of heavy duty, clear plastic.

## Ⓗ NO. 24355 SUSPENSION BAIL

Quickly snaps on any Skil Air Impact Wrench to permit overhead head suspension; hanging convenience.

## Ⓘ NO. 6767 BALANCE REEL

Suspends screwdrivers or impact wrenches above work. Spring action brings tool into position, returns it quickly overhead. Tension adjusts externally for counter-balancing. Six foot steel cable is nylon sheathed. Capacity: 0-10 lbs. Net wgt.  $3\frac{1}{2}$  lbs.

No. 6779 Attachment Clip—For attaching tools with a suspension bail to Balance Reel.

## Lubricant & Solvent

No. 24336 Pint Mechanism Oil—for air impact wrench mechanism. Assures positive lubrication under all operating conditions. Spout makes filling easy.

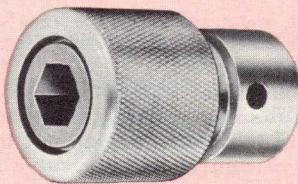
No. 25667 Tube of Lubricant—for Model 823 Impact Wrench mechanism.

No. 20525 Pint Lubricating Oil—for use on air impact wrench motors.

No. 24586 Air Motor Solvent—for flushing and cleaning all air motor tools. Removes gum and dirt. Increases motor efficiency.

## No. 6401 Screwdriver Stand

Provides precise control in driving screws, running nuts and bolts. For Models 132, 133, 139, 140, 172, 173, 235 and 272 (see page 37 for more information).



Ⓐ QUICK-CHANGE SCREWDRIVER ADAPTER



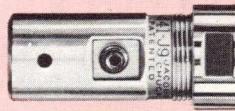
Ⓑ RIGHT ANGLE ATTACHMENT



Ⓒ EXTENSION BAR



Ⓓ UNIVERSAL JOINT



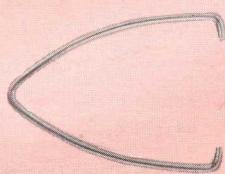
Ⓔ COLLET CHUCK



Ⓕ  $\frac{1}{2}$ " KEYLESS CHUCK



Ⓖ PLASTIC BOOT



Ⓗ SUSPENSION BAIL



Ⓘ BALANCE REEL

# SKIL AIR HAMMERS

## MODEL 1160 heavy-duty

World's safest, most maintenance-free hammer! Tremendous power, low air consumption provide fast, low-cost way to do scores of hammer jobs.

Has Skil's exclusive "safety-fist" tool retainer — steel bushing that fits inside beehive retainer spring to eliminate danger of tool being driven out thru nose. Exclusive super-sensitive control throttle valve locks into handle—easily removes if repair is ever necessary. Other features include one-piece, hardened steel barrel, contour-grip handle.

Ideal for light scaling, chipping, metal cutting and casting clean up operations. Use for driving rivets, nails. Also recommended for general automotive repair and maintenance jobs such as slitting and cutting of mufflers, tail-pipes; cutting nuts, bolts, rivets; scraping undercoating, scale, rust.

## MODEL 1165 extra heavy-duty

Handles big capacity jobs such as driving large rivets, nails; slitting, chipping in heavier-gauge metals. Also an excellent tool for automotive shops, garages doing heavy equipment servicing. Has all the performance features of Model 1160 (see above) plus extra power.



Has exclusive "safety-fist" tool retainer.\*



Has exclusive "safety-fist" tool retainer.\*

## SPECIFICATIONS:

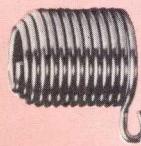
equipment: "Safety-Fist" tool retainer including No. 23660 Retainer Spring and No. 23661 Retainer Bushing.

model no.	blows per min. at 90 lbs. per sq. in.	air inlet size	recommended hose	length		weight	shpg. wgt.
				overall, less retainer	overall, with retainer		
1160	3700	1/4"	5/16" I.D.	6 1/4"	7 3/16"	2 7/8 lbs.	3 3/4 lbs.
1165	3000	1/4"	5/16" I.D.	6 3/4"	7 1/16"	3 1/8 lbs.	4 1/4 lbs.

## SKIL AIR HAMMER ACCESSORIES



(A) CHISEL



(B) RETAINER SPRING



(C) RETAINER  
BUSHING



(E) RIVET SETS



Button



Mushroom



Brazier



(D) NAIL DRIVER

### (A) CHISELS

No. 15282—5/8" x 7" Chisel (Parker Taper)

No. 15298—5/8" x 9 1/8" Chisel (Parker Taper)

No. 24513—Combination Slitter and Cut-Off Tool

No. 24514—Cut-Off Tool

No. 15416†—1/2" x 7" Chisel Blank (Parker Taper)

No. 15299—Punch (Parker Taper)

No. 15287—Scraper (Parker Taper)

No. 15288—Rivet Cutter (Parker Taper)

No. 15289—Panel Cutter (Parker Taper)

No. 15276—5/8" x 7" Chisel (3/8" Hex)

No. 15415†—1/2" x 7" Chisel Blank (3/8" Hex)

### EXCLUSIVE SKIL "SAFETY-FIST" TOOL RETAINER\*

Furnished with all Skil Air Hammers. Consists of retainer spring plus hardened steel retainer bushing that fits inside spring and holds tool in position eliminating possibility of tool being driven out of hammer barrel and greatly increasing spring life. Spring and bushing may be used for replacement on any make hammer now using standard bee hive or quick change springs. Order separately as follows:

(B) NO. 23660 Retainer Spring (C) NO. 23661 Retainer Bushing

### Other Retainers

No. 16118\*\*—Retainer Spring  
(For quick accessory change)

No. 16209\*\*—Standard Retainer Spring

\*\*Can not be used with No. 23661 Retainer Bushing.

### (D) NAIL DRIVER ATTACHMENTS

No. 16410—6 to 10-Penny Nail Driver No. 16100—12 to 20-Penny Nail Driver

No. 12420—24 to 60-Penny Nail Driver

### STAR DRILLS AND CHUCK

part no.	description	part no.	description
15403	Star Drill Chuck	15406	1/2" x 9" Star Drill
19368	Drift Key	15407	5/8" x 9" Star Drill
15445	1/4" x 5" Star Drill	15408	3/4" x 9" Star Drill
15405	5/8" x 5" Star Drill		

### (E) RIVET SETS (NO. 2 PARKER TAPER)

part no.	description	part no.	description
15058	1/16" Round Head	15069	1/4" Button Head
15059	3/32" Round Head	15082	1/16" Brazier Head
15060	1/8" Round Head	15083	5/32" Brazier Head
15061	5/32" Round Head	15084	1/4" Brazier Head
15062	3/16" Round Head	15085	5/16" Brazier Head
15063	1/4" Round Head	15086	3/4" Brazier Head
15064	1/16" Button Head	15087	1/4" Brazier Head
15065	3/32" Button Head	15071	1/4" Mushroom Head
15066	1/8" Button Head	15072	1 1/4" Mushroom Head
15067	5/32" Button Head	15070†	5/8" Plain Blank
15068	3/16" Button Head		

No. 15954 Air Regulator—Varies speed by regulating air intake.

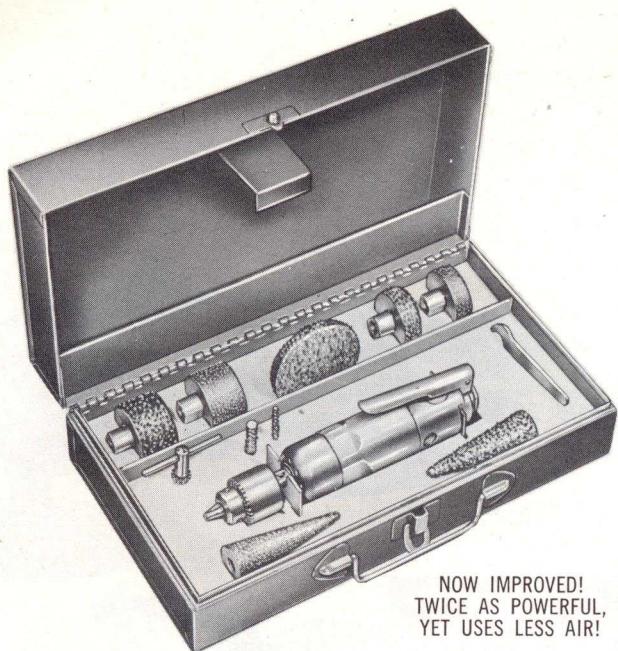
\*Includes features on which patents are pending.

†Furnished soft must be hardened after forming.

FOR GENERAL AIR ACCESSORIES SEE PAGE 65

# SKIL AIR GRINDING KIT

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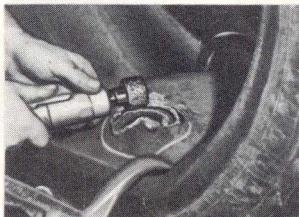


## EQUIPMENT

Includes No. 1022 Grinder, 2 Perma-Grit rotary rasps, 2 Perma-Grit rod rasps, 4 Perma-Grit cup rasps, 1 Perma-Grit wheel rasp (one of each of all rods and rasps listed below), chuck key, wrench and steel carrying case.

## TUNGSTEN CARBIDE RODS AND RASPS\*\*

Speed buffing and grinding of rubber, plastic, composition materials . . . last up to 20 times longer to greatly reduce rasp replacement costs as well as burning or scorching of material often caused by dull rasps. Can be cleaned with wire brush or solvent. For use with No. 1022 Skil Grinder (as illustrated). Adapters are available to permit use of Perma-Grit Rasps (all items below except Nos. 21343 & 21344 rods) in electric or air drills, grinders, flexible shafts.



**PERMA-GRIT CUP RASPS**  
Extremely fast cutting. For grinding and cleaning large areas.

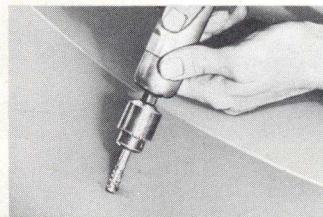


No. 21335   No. 21334

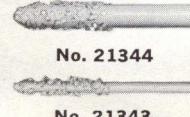
part no.	dia., inches	face width, inches	grit
21338	2	1/2	46
21337	2	1/2	16
21335	2	1	46
21334	2	1	16

**No. 21345 Adapter**—Permits use of Perma-Grit Rasps in chucks of drills, grinders, flexible shafts. Has 1/4" straight shank.

\*Trademark of SKIL Corporation.



**PERMA-GRIT RODS**  
Quickly grind out nail holes in tires; small radius contours in other material.



No. 21344

No. 21343

part no.	dia., inches	length, inches	grit
21344	1/4	2 1/4	16
21343	1/8	2 1/4	16

## MODEL 412 GRINDING AND BUFFING KIT

Fast, low cost way to grind plastics, fiberglass, rubber, composition materials in boat, aircraft, auto and other industries. Also excellent for buffing and cleaning-out tires.

Saves money two ways for more profitable grinding and buffing work:

1. Uses high speed, light-weight SKIL Air Grinder that costs only 1/2 the price of conventional, heavy, flexible shaft equipment!
2. Includes super-tough Perma-Grit\* Tungsten Carbide Rasps and Rods that speed-up work . . . last up to 20 times longer than ordinary rasps!

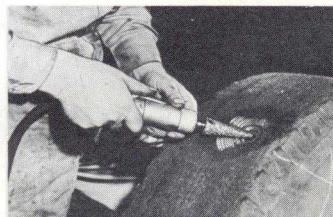
Air grinder weighs only 1 1/8 lbs. . . . is extremely easy to use . . . quickly moved from job to job . . . cuts operator fatigue, makes it easy to do hard-to-get-at jobs.

## SPECIFICATIONS

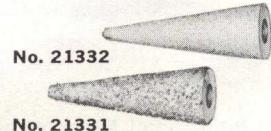
No. 1022 Grinder has 25,000 r.p.m. speed; 7" overall length; 1 1/8 lbs. net weight. Complete kit 7 lbs. net weight; 7 1/2 lbs. ship. weight.

No. 1022 SKIL Air Grinder is also available separately, see Page 59. See Page 65 for information on air line filter and other air accessories.

## PERMA-GRIT\* RODS AND RASPS



**PERMA-GRIT CONE RASPS**  
Excellent for fast, smooth cavity and angle grinding and buffing.



No. 21332

No. 21331

part no.	base dia., inches	length, inches	grit
21332	1	3	46
21331	1	3	16



**PERMA-GRIT WHEEL RASP**  
Large wheel grinds fast and cool. Use for slotting and trimming.



No. 21340

part no.	dia., inches	face width, inches	grit
21340	2 1/2	5/16	16

**No. 25435 Adapter**—Permits use of Perma-Grit Rasps on grinders and flexible shafts having 1/2" x 20 thread spindles.

\*\*Includes features which are patented.

# SKIL

## DISC SANDERS

### ELECTRIC AND AIR MODELS

#### 3500 R.P.M. 7" AIR MODEL 1037

standard-duty

Now has a new, high torque motor that develops approximately 100% more power than before—yet uses less air!

Maintains speed under load. Handles all types of rough or fine sanding, grinding and other jobs. Features include easily controlled lever throttle, comfortable hand grip, side handle, new exclusive treaded backing pad and quick-change lock nut. See pages 56-57 for disc sander accessories; page 65 for information on air accessories.



#### 4200 R.P.M. 7" ELECTRIC MODEL 551

standard-duty

A real value among low-priced disc sanders. Has more power than many more expensive competitive makes.

Used for touch-up work and intermittent operation in auto body shops, garages and anywhere fast sanding of metal, wood or other materials is required. Features include new exclusive treaded backing pad that prevents disc slippage and quick-change lock nut (see next page). Lightweight design gives positive handling ease and control. Has side handle; tool rest at top.



#### 4500 R.P.M. 7" ELECTRIC MODEL 1140

heavy-duty

Never before!—So much power in a sander so lightweight and compact! And all at an amazing low price!

Has all the power needed for doing any automotive sanding, grinding or wire brushing job, many industrial applications. Yet it weighs 30% less than other comparably powered makes. Skil's secret is two exclusive advances — 1. extremely compact, patented Helicon gears that deliver exceptional power and 2. "Super Burnout Protection" motor that withstands frequent overloads. Comes with exclusive treaded backing pad, quick-change lock nut (see next page for details). Other features include ball bearing construction; side handle that mounts on either side; recessed "thumb-tip" switch; tool rest on top.

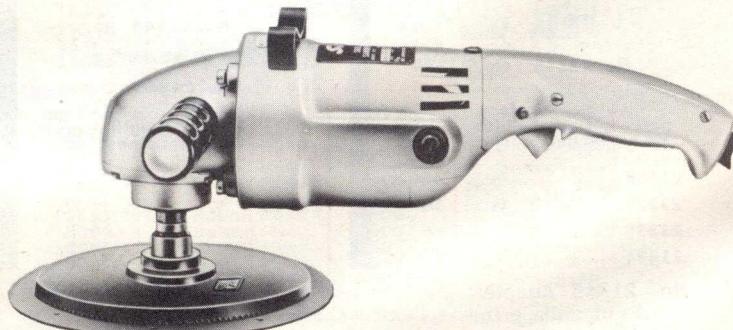


#### 5000 R.P.M. 7"-9" ELECTRIC MODEL 852

super-duty

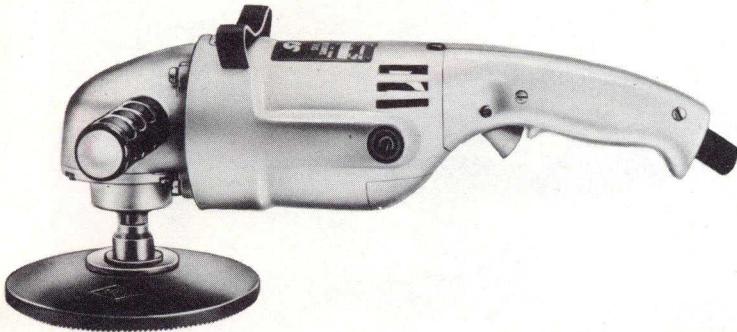
Now better than ever! "Super Burnout Protection" Motor withstands overloads, retains speed under heavy work loads; new long life brushes provide maximum commutation.

Right speed for sanding with either 7" or 9" discs. Converts to a 9" disc grinder when equipped with No. 16894 safety wheel guard, No. 19274 adapter flange and any 9" disc grinding wheel. Also accommodates 4", 5" or 6" cup grinding wheels and wire brushes. Has exclusive treaded backing pad, quick-change lock nut (see next page). Also includes 9" fiber pad for use with 9" discs. See page 55 for complete information on the many advanced features that make Skil Super-Duty Disc Sanders your very best buy!



# SKIL DISC SANDERS

53



## 6000 R.P.M. 7" ELECTRIC MODEL 853

### super-duty

Now better-than-ever! "Super Burnout Protection" Motor withstands even frequent overloads, retains speed under heavy work loads. New brushes give maximum commutation, last longer.

An excellent high speed disc sander for tough, continuous-use sanding jobs and for users who also want to do cup grinding, wire brushing and disc grinding. Uses 4" and 5" cup grinding wheels and wire brushes; converts to a disc grinder when equipped with No. 16896 — safety wheel guard, No. 19274 adapter flange and any 7" disc grinding wheel. Equipped with treaded backing pad, quick-change lock nut (see below). See page 55 for complete information on the many advanced features that make Skil Super-Duty Disc Sanders your very best buy!



## 8000 R.P.M. 7" ELECTRIC MODEL 854

### super-duty

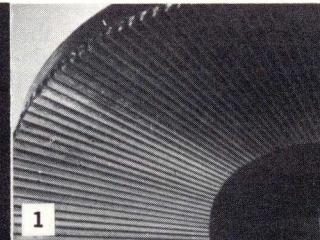
New super high speed disc sander combines tremendous power, lightweight, superb balance plus 8000 r.p.m. for extremely fast sanding!

Here's the perfect tool for virtually every disc sanding job — and it's priced low, too. Has neoprene sealed ball bearings, super-strong spiral bevel gearing, Permafil insulation for maximum dust protection — plus many advanced features (see page 55 for complete details)! Motor maintains its speed under load. High speed means longer disc life, too. Excellent also for ultra high speed disc grinding when equipped with No. 16896 Safety Wheel Guard, No. 19274 Adapter Flange and any 8,500 r.p.m. rated 7" disc grinding wheel.

### ALL SIX DISC SANDERS INCLUDE EXCLUSIVE TREADED PAD, QUICK CHANGE LOCK NUT

**1 TREADED BACKING PAD**—Keeps discs cooler; helps hold them in place too, for longer disc life.

**2 QUICK-CHANGE LOCK NUT**—Locks on two steel pins in treaded pad. Makes disc changing fast, easy.



**motors:** Universal, D.C. or A.C. up to 60 cycles. 115 volts unless otherwise specified on order.

**switches:** Models 852, 853, 854 have enclosed, momentary contact trigger switch with pin for locking in "on" position. Model 1140 has recessed "thumb-tip" toggle type. Model 551 has slide switch. Model 1037 has lever throttle.

**spindle dia:**  $\frac{5}{8}$ "—11 thread.

**bearings:** Models 852, 853, 854 have all sealed ball bearing construction. Model 1037 has all ball bearing construction. Model 1140 has ball and needle bearing construction. Model 551 has ball bearing construction.

### SPECIFICATIONS

**equipment:** All models include No. 23616—7" treaded rubber backing pad (except Model 854 which has No. 26999—5" treaded pad), No. 23614 Quick-Change Lock Nut, side handle, wrench, tool rest (except Model 1037), three assorted sanding discs (except Model 1140 which has one 60 grit disc), 3-wire cord and plug (except Model 1037).

Model 852 includes No. 21221—9" perforated pad; Model 854 includes No. 21220—7" perforated pad.

Models 852, 853, 854 also include eyebolt for overhead suspension.

model	duty	maximum capacities, inches				no-load speed, r.p.m.	amp. rating at 115V	length* overall, inches	net weight, lbs.	shpg. weight, lbs.
		sanding disc, dia.	wire cup brush, dia.	cup grinding wheel, dia.	disc wheel, dia.					
1037	standard	7	—	—	—	3500	—	10 $\frac{1}{4}$	3 $\frac{1}{4}$	5 $\frac{1}{2}$
551	standard	7	4	—	—	4200	5.5	9 $\frac{1}{2}$	6 $\frac{1}{2}$	12
1140	heavy	7	4	—	7	4500	6.5	13 $\frac{3}{4}$	8 $\frac{1}{2}$	12 $\frac{3}{4}$
852	super	9	6	6	9	5000	12	17	14 $\frac{1}{4}$	18 $\frac{1}{2}$
853	super	7	5	5	7	6000	12	17	14 $\frac{1}{4}$	18 $\frac{1}{2}$
854	super	7	—	—	7	8000	13	17	13 $\frac{1}{2}$	17 $\frac{1}{2}$

\* Not including pad.

# SKIL

## DISC GRINDERS

### 5000 R.P.M. 9" MODEL 952

super-duty

New, big capacity model with "Super Burnout Protection" Motor that maintains speed even under heavy work loads . . . many other exclusive features (see next page for complete details).

Has the right speed for all grinding jobs requiring large 9" grinding wheels. Also can be used with 4", 5" or 6" cup grinding wheels and wire brushes.

Use for disc sanding too by mounting No. 23616 7" treaded rubber backing pad, No. 21221 9" perforated fiber pad and any Skil 9" "Sta-Flat" sanding disc.



### 6000 R.P.M. 7" MODEL 953

super-duty

Ideal for users who want a high speed grinder that can also be used for cup grinding, wire brushing. Has "Super Burnout Protection" Motor; many other exclusive features (see next page for complete details).

Provides fast grinding with 7" wheels, yet accommodates 4" and 5" cup wheels and wire brushes for doing specific grinding jobs such as cleaning rust, scale, removing paint. Does disc sanding, too. Use with No. 23616 7" treaded rubber backing pad and Skil 7" "Sta-Flat" sanding discs (wide assortment available).



### 8000 R.P.M. 7" MODEL 954

super-duty

For the fastest, easiest grinding ever! Has ultra high speed of 8000 r.p.m. plus tremendous power, lightweight, superb balance . . . the very best grinder you can buy—and it's priced amazingly low!

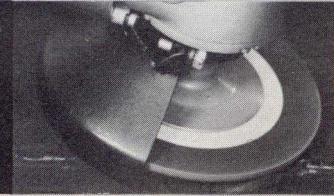
Has Skil's new "Super Burnout Protection" Motor that withstands frequent, excessive overloads, Permafil insulation for maximum dust protection, neoprene sealed ball bearings — many other important features (see next page for complete details). Also can be used for disc sanding by equipping with No. 26999 5" treaded rubber backing pad, No. 21220 7" perforated fiber pad and any Skil 7" "Sta-Flat" sanding disc (wide assortment available).



#### ALL THREE DISC GRINDERS INCLUDE GRINDING WHEEL, SAFETY GUARD

A fast cutting, properly rated reinforced grinding wheel and steel safety guard are furnished with all three Skil Super-Duty Disc Grinders.

Grinding wheel on Model 954 is an 8,500 RPM rated wheel. Replacement 8,500 RPM rated wheels are now made by all leading abrasive manufacturers including Bay State, Carborundum, Macklin, National, Norton and Simonds.



#### SPECIFICATIONS

**equipment:** Model 952 includes No. 16894—9" safety wheel guard, No. 19685—1/4" x 9" disc grinding wheel; Model 953 includes No. 16896—7" safety wheel guard, No. 19683—1/4" x 7" disc grinding wheel; Model 954 includes No. 16896—7" safety wheel guard, No. 26904—1/4" x 7" disc grinding wheel (approved for 8500 RPM). All three models include backing flange assembly, side handle, tool rest, eye bolt for overhead

suspension, spindle lock, wrench, 3-wire cord and plug.

**motors:** Universal, D.C. or A.C. up to 60 cycles. 115 volts unless otherwise specified on order. Enclosed, momentary contact trigger switch with pin for locking in "on" position.

**spindle dia.:** 5/8"—11 thread.

**bearings:** All sealed ball bearing construction.

model	duty	maximum capacities, inches				no-load speed, r.p.m.	amp. rating at 115V	length* overall inches	net weight, lbs.	shipping weight, lbs.
		disc wheel, dia.	cup grinding wheel, dia.	wire cup brush, dia.	sanding disc, dia.					
952	super	9	6	6	9	5000	12	17	16 1/4	20
953	super	7	5	5	7	6000	12	17	15 1/2	19 1/4
954	super	7	—	—	7	8000	13	17	15 1/2	19 1/4

# ALL SIX SUPER-DUTY DISC GRINDERS & SANDERS

## HAVE ALL THESE IMPORTANT ADVANCES...



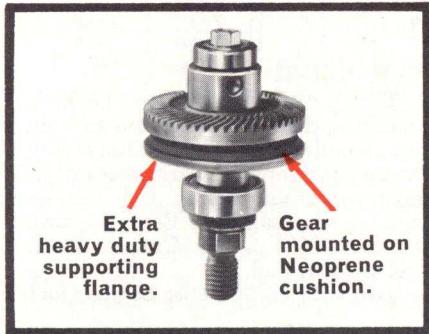
### ◀ EXCLUSIVE! ▶

All Neoprene sealed ball bearing construction throughout.



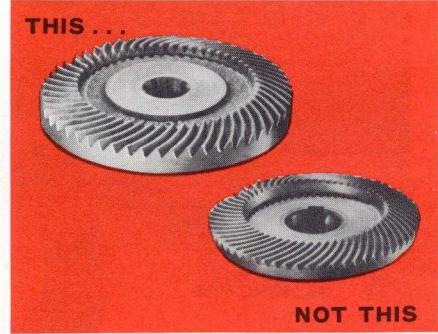
### ◀ EXCLUSIVE! ▶

Armature bearings ride in steel inserts eliminating housing wear.



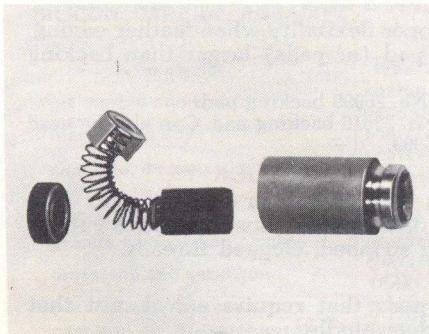
### ◀ EXCLUSIVE! ▶

Built-in shock absorbers!—for long life, quiet performance.



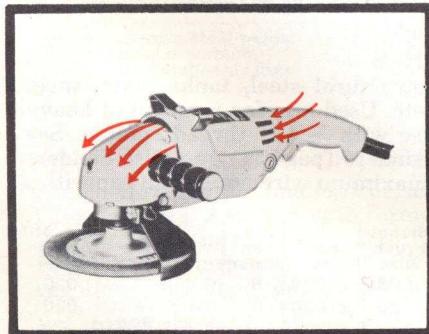
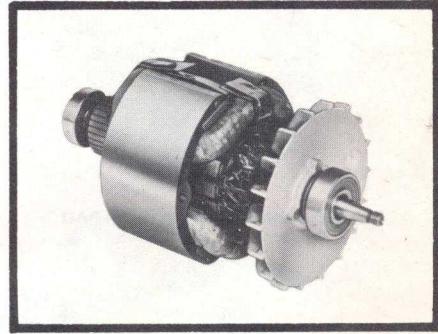
### ◀ EXCLUSIVE! ▶

Extra large, forged and heat treated spiral bevel gearing.



### ◀ EXCLUSIVE! ▶

New "double life" brushes for maximum commutation.

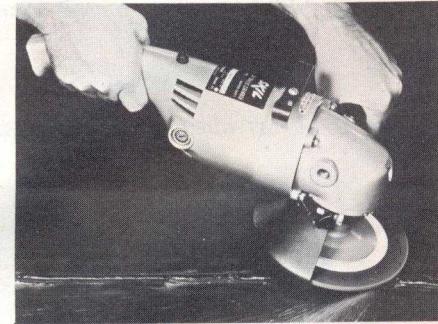


### ◀ BUILT-IN AIR CONDITIONING! ▶

High velocity air flow actually keeps dust off of internal parts.

### ◀ LIGHTWEIGHT, ▶ SUPERB BALANCE!

Skil models weigh pounds less than other makes.



## ...STILL MORE FEATURES

- Push Button Spindle Lock—for fast, easy changing of grinding wheels, sanding discs.
- Dust-proof instant release switch.
- Contour grip handle.
- Removable inspection cover for checking interior.
- Extra long cord deflector—keeps cord out of the way.

# SKIL

## DISC GRINDER- DISC SANDER ACCESSORIES



(A) SANDING DISCS



NEW!



(B) TRESSED RUBBER BACKING PAD



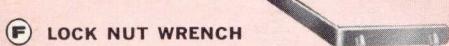
(C) PERFORATED FIBER PAD



(D) QUICK-CHANGE LOCK NUT



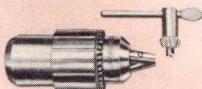
(E) LOCK NUT



(F) LOCK NUT WRENCH



(G) WIRE CUP BRUSHES



(H) 1/4" CHUCK &amp; KEY

## (A) "STA-FLAT" SANDING DISCS

Extra long life aluminum oxide grits are phenol-resin bonded to a sturdy fiber backing; for re-use dip in gasoline and scrub. Use close coat Type K discs for metal, wood, stone or marble. Use open coat Type H discs for soft materials, removing paint and varnish.

grit	type	7" dia. no.	discs per pkg.	9" dia. no.	discs per pkg.
16	K	7911	10	7922	5
24	K	7912	10	7923	5
30	K	7913	10	7924	5
36	K	7914	10	7925	5
50	K	7915	10	7926	5
60	K	7916	10	7927	10
80	K	7917	10	7928	10
100	K	7918	25	7929	10
120	K	7919	25	7930	25
150	K	7920	25	7931	10
180	K	7921	25	7932	25
16	H	7933	10	7936	5
24	H	7934	10	7937	5
30	H	7935	10	7938	10

## (B) TRESSED RUBBER BACKING PADS\*

Another Skil exclusive! These remarkable new backing pads are tressed to hold sanding discs in place, and to help prevent slipping, buckling, spoilage of discs. Discs stay cooler, won't gouge work, last far longer. Can be used on all Skil Disc Sanders and most other makes. Use also to convert Skil Disc Grinders for disc sanding. Each backing pad comes complete with No. 23614 Quick-Change Lock Nut that locks on two steel pins in pad.

**NO. 26999**—5" dia. Can be used with all Skil Disc Sanders and Disc Grinders.

**NO. 23616**—7" dia. Can be used with all Skil Disc Sanders and Disc Grinders except Models 854, 954.

## (C) PERFORATED FIBER PADS

Strong, resilient. For proper flexibility when feather edging, etc., always use a fiber pad (or pads) larger than backing pad.

**NO. 21220**—7" dia. Use No. 26999 backing pad.

**NO. 21221**—9" dia. Use No. 23616 backing pad. Can also be used with No. 21220 and No. 26999.

## (D) NO. 23614 QUICK-CHANGE LOCK NUT

Same as furnished with tressed rubber backing pads (see above). Locks securely on two steel pins in tressed rubber backing pad eliminating stripped, clogged threads.

## (E) NO. 2427 LOCK NUT

For use with backing pads that require a lock nut that threads directly on sander spindle.

## (F) NO. 2445 LOCK NUT WRENCH

For use with either No. 23614 or 2427 lock nut. Improved design gives better leverage.

## (G) WIRE CUP BRUSHES

For cleaning castings, structural steel, tanks, vats, sheet metals, stone, concrete, etc. Used also for removal of heavy rust, scale and paint. Use with  $\frac{5}{8}$ "-11 thread spindle. See specifications for Disc Grinders (page 54) and Disc Sanders (page 53) to determine maximum wire cup brush capacities for different models.

part no.	dia. of brush	type brush	dia. of brush wire	part no.	dia. of brush	type brush	dia. of brush wire
21025	6"	Crimp	.020	21029	5"	Crimp	.020
21026	6"	Spiral Twist Single Row	.020	21030	5"	Spiral Twist Single Row	.020
21027	6"	Spiral Twist Double Row	.020	21031	4"	Crimp	.014
21028	6"	Spiral Twist Double Row	.035	21032	4"	Spiral Twist Single Row	.020

## (H) NO. 18305 1/4" CHUCK &amp; KEY

Converts Model 551 to 1/2" drill. Threads directly on spindle. Includes No. 1755 Chuck Key. May be used with any SKIL and most other make polishers.

\*Includes features on which patents are pending.

# SKIL DISC GRINDER- DISC SANDER ACCESSORIES

57

## ① DISC GRINDING WHEELS\*

Fast-cutting, reinforced grinding wheels for grinding heavy weld beads, structural steel, steel castings, stainless steel and other ferrous metals. Wheels are 24 grit aluminum oxide except Nos. 21021 and 21022 which are 16 grit silicon carbide for cement and masonry grinding. Packaged 5 per carton. See specifications for Disc Grinders (page 54) and Disc Sanders (page 53) to determine maximum wheel capacities for different models.

7" disc wheels			9" disc wheels		
part no.	width	safe r.p.m. rating	part no.	width	safe r.p.m. rating
19682	1/8"	6600	19684	1/8"	5500
19683	1/8"	6600	19685	1/4"	5500
21021	1/4"	6600	21022	1/4"	5500
26904	1/4"	8500†			

†Recommended for Models 854, 954 or other 8,000 r.p.m. grinders.

## ② NO. 16896—7" SAFETY WHEEL GUARD

## ② NO. 16894—9" SAFETY WHEEL GUARD

## ② NO. 19274 ADAPTER FLANGE

Includes flange, lock nut, spacing washers and wrench.

## ③ CUP GRINDING WHEELS\*

Made of securely bonded, highest grade abrasives. Each wheel has a 5/8"-11 thread bushing molded integrally for mounting wheel direct to spindle. See specifications for Disc Grinders (page 54) and Disc Sanders (page 53) to determine maximum cup wheel capacities for different models. Use with proper revolving cup wheel guard (see below).

## SILICON CARBIDE ABRASIVE

material	type	PART NO.		
		4" dia.	5" dia.	6" dia.
art marble and terrazzo	coarse	—	5405	5408
	medium	—	5406	5409
marble and onyx	coarse	—	5406	5409
	coarse	5421	5427	5428
concrete, cement block and brick	medium	5422	5405	5408
	fine	—	5406	5409
granite	coarse	—	5405	5408
granite composition blocks	coarse	—	5406	5409
limestone and sandstone	coarse	5422	5405	5408
	fine	—	5406	5409
porcelain and vitreous ware	coarse	—	5406	5409
cast iron, bronze, un-annealed malleable iron, white iron	coarse	5421	5455	5457
	medium	—	5456	5458

## ALUMINUM OXIDE ABRASIVE

steel castings, steel welds, structural members, annealed malleable iron	coarse	5459	5463	5465
	fine	5460	5464	5466

## ④ REVOLVING CUP WHEEL GUARDS

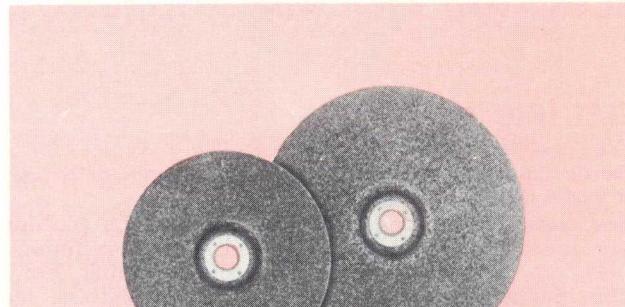
Attach directly to spindle. For use with Models 952, 953 Disc Grinders. Also use with former Model 851 (Serial No. A832052 and up), Model 1140, Model 852 (Serial No. B385353 and up) and Model 853 Disc Sanders. Include revolving cup wheel guard and wrench.

NO. 19296—Guard for 4" cup wheel

NO. 19240—Guard for 5" cup wheel

NO. 19237—Guard for 6" cup wheel

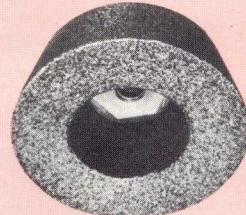
\*NOTE—Before using disc wheels and cup grinding wheels, always be sure their maximum safe operating speed (shown on wheel blotter) is not exceeded by the free speed of the tool (shown on nameplate). Use only on tools with proper safety guards.



① DISC GRINDING WHEELS



② SAFETY WHEEL GUARD  
③ ADAPTER FLANGE



② SAFETY WHEEL GUARD  
③ ADAPTER FLANGE



④ REVOLVING CUP  
WHEEL GUARD

ELECTRIC AND AIR MODELS

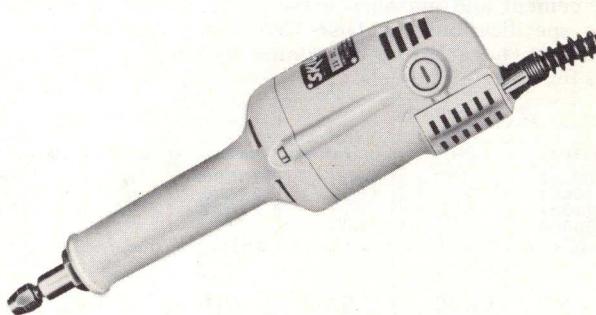
**ELECTRIC MODEL 146**

( $\frac{1}{8}$ " collet chuck—20,000 r.p.m.)

Excellent die grinder for tool and die departments, pattern shops or model makers.

Has specially designed motor for dependable, continuous high speed use. Three ball bearing construction minimizes vibration, provides accurate, precision grinding. For use with mounted wheels and points, carbide cutters, burrs, expanding drums, etc. Provision for pin engagement of spindle for quickly changing collets and other accessories.

Furnished with  $\frac{1}{8}$ " collet chuck, may be used with  $\frac{1}{4}$ " collet chuck, see page 60.

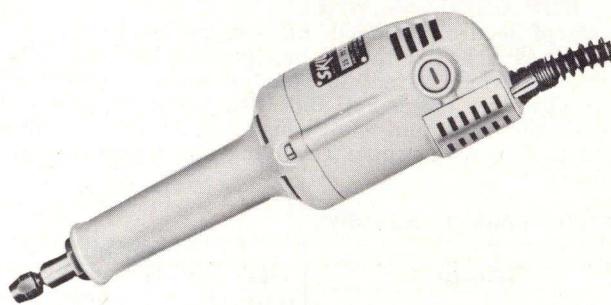


**ULTRA HIGH-SPEED ELECTRIC MODEL 148**

( $\frac{1}{8}$ " collet chuck—36,000 r.p.m.)

Extremely high speed grinder for finest finishing and polishing of dies.

This outstanding, high speed die grinder greatly increases the efficiency of small mounted wheels, points and carbide cutters. Specifically engineered to hold top speed under severe work loads. Rugged three ball bearing construction eliminates shaft deflection; assures smooth, accurate grinding performance. Compact and easy to handle—weighs only  $2\frac{1}{4}$  lbs.

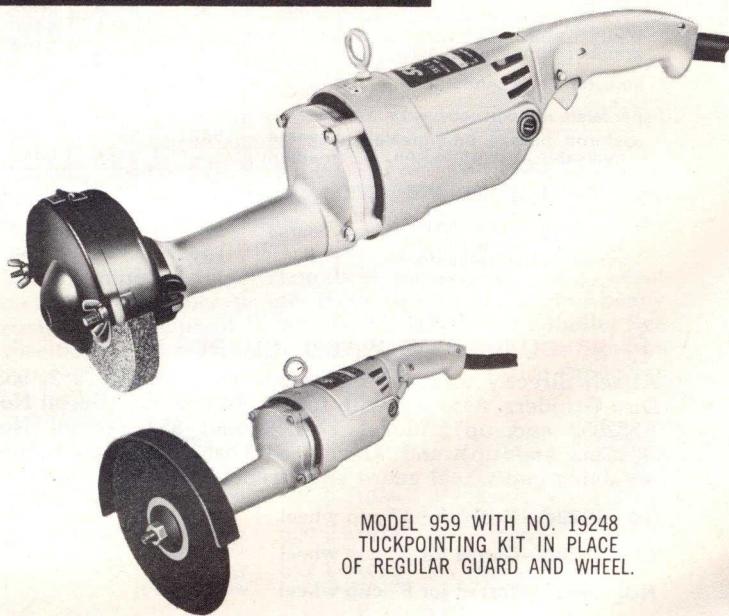


**5" ELECTRIC MODEL 959 (5,000 r.p.m.)**

Powerful, big capacity grinder for foundries, welding shops, metal fabricators, construction and maintenance work. Also excellent for use as tuckpointer (see below).

This powerful, versatile grinder will do a wide range of grinding, wire brushing, buffing and polishing jobs. Has double sealed, all ball bearing construction for smoother running performance and long life. New long life brushes for maximum commutation, longer brush life. Also features contour grip handle, fully enclosed trigger switch with pin for locking in "on" position, protective guard that adjusts 360°. Includes eye bolt for overhead suspension.

**NOTE:** For use as a tuckpointer, Model 959 may be purchased less wheel and guard. No. 19248 Tuckpointing Kit should be purchased separately, (see Page 60) and mounted as pictured at right.

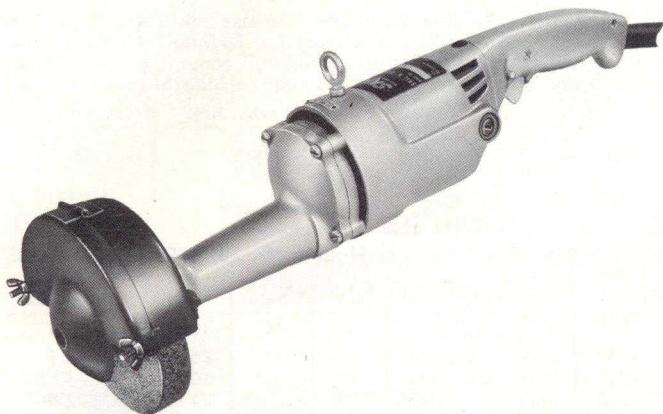


MODEL 959 WITH NO. 19248  
TUCKPOINTING KIT IN PLACE  
OF REGULAR GUARD AND WHEEL.

# SKIL DIE & PORTABLE GRINDERS

59

## ELECTRIC AND AIR MODELS



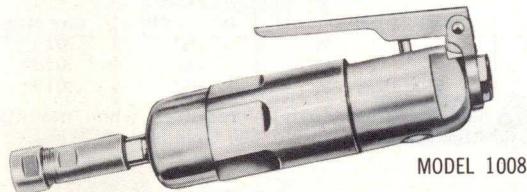
### 6" ELECTRIC MODEL 960 (4,500 r.p.m.)

Extra powerful model for heaviest duty grinding jobs.

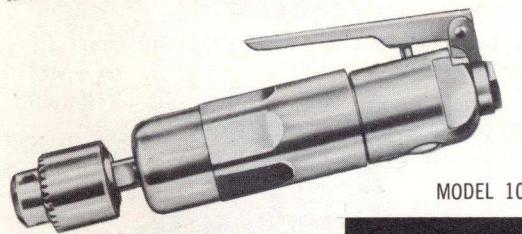
Built to maintain its speed while doing toughest work in grinding heavy castings and weld beads, wire brushing, buffing and polishing metal surfaces. New long life brushes for maximum commutation, longer brush life. Has double sealed ball bearings throughout for outstanding performance and long life. Also features enclosed trigger switch with locking pin, adjustable guard, contour handle, eye bolt for overhead suspension.



MODEL 1007



MODEL 1008



MODEL 1022

### HIGH-SPEED AIR GRINDERS (25,000 r.p.m.)

Now 100% more powerful than before—yet use less air!

For die grinding, burring, filing and drilling. Feature over-size spindle bearings, heavy shaft and exclusive, trouble-free rotor design. Sustained high speed under load gives excellent results with carbide rotary cutters. Also used with Tool Post Clamp (see page 60) for internal grinding on metalworking lathes. Models 1007 and 1008 feature a new precision chuck that assures true running, accurate grinding. Model 1022, with 3-jaw geared chuck is recommended for high speed drilling with wire gauge drills to sink wood screw pilot holes or to drill in non-ferrous metals. Model 1022 also excellent for use with Perma-Grit Rasps and Rods (see page 51). Other Air Accessories page 65.

## SPECIFICATIONS

**Equipment:** Models 146, 148 include  $\frac{1}{8}$ " collet chuck, No. 1650 dressing stone, two No. 3783 wrenches, 3 wire cord and plug.

Models 959 and 960 include wheel guard, suspension eye bolt, med. grit grinding wheel, 3 wire cord and plug. (Model 959 may be ordered less wheel guard and grinding wheel for use with No. 19248 Kit as tuckpointing tool.)

Models 1007 and 1008 include  $\frac{1}{4}$ " collet. Model 1022 includes  $\frac{1}{4}$ " geared chuck and key.

**Motors:** Universal, D.C. or A.C. up to 60 cycles, 115 volts unless otherwise specified on order (except air models).

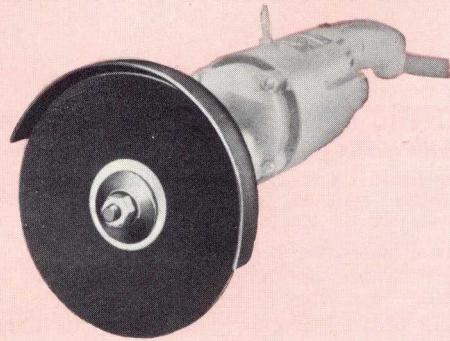
**Switches:** Models 146, 148 toggle type; Models 959, 960 momentary contact trigger type; Model 1007 has button throttle; Models 1008, 1022 have lever throttle.

**Bearings:** All ball bearing.

model no.	wheel capacity, inches	spindle diam., inches	speed no-load r.p.m.	amp. rating at 115V	length overall, inches	net weight, lbs.	shpg. weight, lbs.
146	1 $\frac{1}{4}$ mounted	$\frac{1}{8}$ collet chuck	20,000	1.3	9 $\frac{1}{4}$	2 $\frac{1}{4}$	4
148	$\frac{3}{4}$ mounted	$\frac{1}{8}$ collet chuck	36,000	2.5	9 $\frac{3}{4}$	2 $\frac{1}{4}$	4
959	5 x $\frac{3}{4}$	$\frac{1}{2}$	5,000	10	22 $\frac{1}{2}$	12 $\frac{1}{4}$	21
960	6 x 1	$\frac{5}{8}$	4,500	12	22 $\frac{1}{2}$	15 $\frac{1}{4}$	23
1007	{ 1 $\frac{1}{2}$ elastic, 1 vitrified wheels	$\frac{1}{8}$	25,000	—	6 $\frac{1}{2}$	1	3
1008		$\frac{1}{8}$	25,000	—	6 $\frac{1}{4}$	1	3
1022		$\frac{1}{8}$	25,000	—	7	1 $\frac{1}{8}$	3 $\frac{1}{4}$

SEE PAGE 60 FOR ACCESSORY INFORMATION

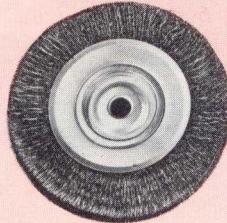
# SKIL DIE & PORTABLE GRINDER ACCESSORIES



**(A) NO. 19248 TUCKPOINTING KIT**



**(B) GRINDING WHEELS**



**(C) WIRE WHEEL BRUSHES**



**(D) COLLETS AND CHUCKS**



**(E) TOOL POST CLAMP**

## **(A) NO. 19248 TUCKPOINTING KIT**

For use with Model 959 Grinder to penetrate as deep as necessary to clean out loose mortar. Kit includes No. 11646 silicon carbide wheel, 8" wheel guard, wrench and arbor bushing.

**"FLEX" TUCKPOINTING WHEELS**—For use with No. 19248 Kit and former model 465 Skil Tuckpointing Grinder. Of nylon reinforced construction for cutting lime and cement mortar, brick, concrete and similar materials. *Silicon carbide abrasive.*

part no.	size	arbor hole	pkg. qty.
11646	8" x 1/8"	5/8"	10
11647	8" x 3/16"	5/8"	10

## **(B) GRINDING WHEELS**

for Models 959, 960, former Models 15, 16, 142, 171 Grinders.

part no.	type	size	arbor hole	grit	for model
4498	high strength, reinforced	2 1/2"	5/8"	36 med.	171
5882	aluminum oxide	4"	1/2"	30 med.	15
19581	aluminum oxide	5"	1/2"	30 med.	16,959
19582	aluminum oxide	6"	5/8"	24 med.	142,960

**NOTE:** Before using any pointing or grinding wheel, be sure safe operating speed (shown on wheel blotter) is not exceeded by the free speed of the tool (shown on nameplate). Use only on tools with proper safety guards.

## **(C) WIRE WHEEL BRUSHES**

for Portable or Bench Grinders

Heavy duty wire wheel brushes ideally suited for removing paint, scale, rust, stains, buffing, deburring and finishing metals.

part no.	dia.	std. arbor	face width	wire size
21033	4"	1/2"	7/8"	.014
21034	6"	1/2"	1 1/16"	.0104
21035	6"	1/2"	1 1/16"	.014

**NO. 21043** Arbor Adapters (pair) — required when mounting Nos. 21034 and 21035 brushes on No. 960 Grinder.

## **(D) COLLETS AND CHUCKS**

for Models 146, 148, 1007, 1008, 1022 Grinders.

part no.	item	for model
3779*	1/8" collet	146, 148
3780*	1/8" cap for above collet	
9397*	1/4" collet	146
9398*	1/4" cap for above collet	
15141	1/4" collet	1007, type 1, 2, 3
15278	3/4" collet	1008, type 1, 2, 3, 4
15279	1/8" collet	
24191	collet body	
24192	collet nut for 24191	1007, type 4
24193	1/4" collet	1008, type 5
24194	3/4" collet	1022, type 4
24195	1/4" collet	
11336	5/8" geared chuck and key	146
11337	key only for above	
1751	1/4" geared chuck and key	1022
1752	key only for above	

\*Order cap and collet for complete chuck.

## **(E) TOOL POST CLAMPS**

for Models 1007, 1008, 1022 when used in metal turning lathes.

**NO. 15251**—Tool Post Clamp with bar 5" x 3/8" x 1" high.

**NO. 15249**—Tool Post Clamp with bar 6" x 1/16" x 1 1/4" high.

## OTHER DIE GRINDER ACCESSORIES

**NO. 15258**—Arbor (for wheels with 1/4" Hole)

**NO. 15260**—Arbor (for wheels with 3/8" Hole)

**NO. 15284**—Hexagon Wrench for Oil Plug

**NO. 15285**—Wrench for Collet Cap No. 3780

**NO. 15286**—Wrench for Collet No. 3779

**NO. 25333**—Wrench for Collet Body (24191) and Nut (24192)

# SKIL BENCH GRINDERS



FOR PEDESTAL,  
SEE PAGE 62

## 6" MODEL 287 (1/3 h.p.)

Has exceptional power for doing a wide range of grinding, wire brushing, cleaning and buffing jobs.

Dynamically-balanced, split phase motor starts fast, maintains speed. Lubricated-for-life ball bearings give dependable, vibration-free performance. Compact motor housing permits grinding of long work across entire front of grinder. Removable end bell covers, adjustable spark arrestors and tool rests are all standard equipment. Rugged cast iron construction for stability. Grey crackle finish is easy-to-keep clean. Specify voltage and phase.



FOR PEDESTAL,  
SEE PAGE 62

## 7" MODEL 607 (1/2 h.p.)

A big capacity grinder with the extra power needed for doing a wide range of jobs.

Has lubricated-for-life, double sealed ball bearings that keep out harmful abrasive dust and assure smooth, heavy duty service in grinding, tool sharpening, wire brushing and buffing. Adjustable, machined, U-shaped tool rests permit grinding on both sides as well as face of wheel. Other important features include adjustable spark arrestors, rugged cast iron wheel guards and end bell covers, integral dust chutes for attaching of shop dust pick-up equipment. Specify voltage and phase.

## 8" MODEL 614 (1/2 h.p.)

Similar to and has all the features of Model 607 except accommodates 8" wheels for doing even bigger grinding jobs. Specify voltage and phase.



FOR PEDESTAL,  
SEE PAGE 62

## 10" MODEL 617 (1 h.p.)

Full one-horsepower grinder for continuous heavy duty use in factories; foundries; garages; machine, welding and maintenance shops.

Has lubricated-for-life, double sealed ball bearings for smooth, maintenance-free performance. Adjustable, machined, U-shaped tool rests permit grinding on both sides and face of wheel. Equipped with adjustable spark arrestors, removable wheel guards and end bell covers, integral dust chutes that facilitate attachment to dust pick-up equipment. Specify voltage and phase.

## SPECIFICATIONS

equipment, all models: One fine and one medium grit wheel; tool rests; end bell covers, 3-wire cord and plug (not included with Model 617 and 3-phase grinders).

model no.	wheel size, inches	arbor size, inches	distance between wheels	clearance to mtr. hous'g	base depth & width	amp. rating at 115v	h.p.	speed no-load r.p.m.	a.c. voltages, 1-phase	a.c. voltages, 3-phase	net wt., lbs.	shpg. wt., lbs.
287	6 x 3/4	1/2	11 1/16"	3/8"	6 3/8" x 8"	4.1	1/3	3450	115 150 220	220	38	44
607	7 x 1	5/8	15 1/16"	1/4"	8" x 9"	6.8	1/2	3450	115 220	208/220/440†† 550*	60	72
614	8 x 1	5/8	15 1/16"	3/4"	8" x 9"	6.8	1/2	3450	115 220	208/220/440†† 550*	70	82
617	10 x 1	3/4	17 1/16"	1 1/2"	9" x 11"	12	1	1725	115/230†	208/220/440†† 550*	102	122

\*Available on Special Order at Extra Cost.

†Dual Voltage.

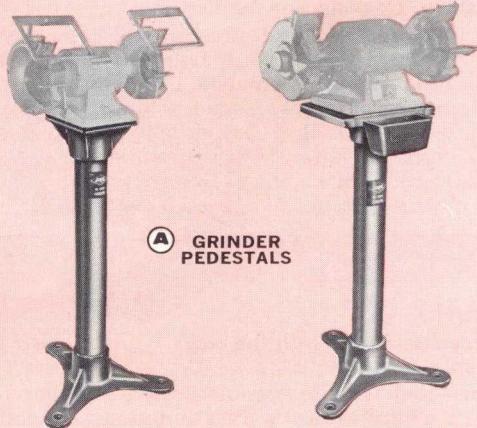
††Triple Voltage.

State Model No., Voltage and Phase when ordering. Standard 115-volt will be shipped unless otherwise specified.

# SKIL

## BENCH GRINDER

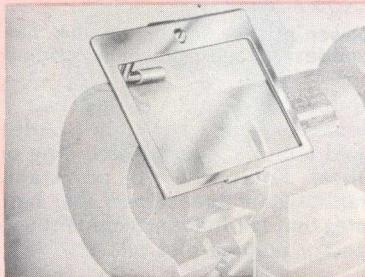
### ACCESSORIES



**A** GRINDER PEDESTALS



**B** ILLUMINATED EYE SHIELD



**C** STANDARD EYE SHIELD



**D** GRINDING WHEEL

**E** WIRE WHEEL BRUSH

#### **A** GRINDER PEDESTALS

Heavy duty cast iron construction. Three-leg bases provide firm support on level or uneven floors; pre-drilled holes in legs make permanent installations easy. If desired, column may be cut to reduce overall height. Openings in top for fast installation of Skil Grinders or most other makes. Top may also be drilled to accommodate other light machinery. No. 25332 includes built-in water pot.

pedestal no.	height	top	net wgt. lbs.	ship. wgt. lbs.	for Skil models
25331	33"	6½" x 8"	33	41	287
25332	33"	9" x 11"	46	54	607, 614, 617

#### **B** NO. 5156 ILLUMINATED EYE SHIELD

Gives eye protection and work visibility! Has fixture for mounting on all SKIL Bench Grinders, with cord lead for internal connection. 4" x 6" safety glass has protective sheet of plain glass below. Easily adjusted. Order two for each grinder. (Wired for 115 volts only)

#### **C** NO. 11599 STANDARD EYE SHIELD

Made of ¼" thick shatterproof glass, metal framed and adjustable to angle desired. Outside dimensions, 6¾" wide x 5¼" high. Order two for each grinder.

No. 11597—Replacement safety glass for above.

#### **D** GRINDING WHEELS—for Bench Grinders

Top quality replacement grinding wheels for SKIL Bench Grinders. Balanced construction assures smooth performance!

part no.	size, inches	arbor size, inches	grit	max. safe operating r.p.m.	for model
11240	6 x ½	½	36	4140	246, 286
10657	6 x ½	½	60	4140	246, 286
10764	6 x ¾	½	36	4140	247, 287, 567
10794	6 x ¾	½	60	4140	247, 287, 567
23115	6 x ¾	½	100	4140	247, 287, 567
12254	7 x 1	⅝	36	3545	563, 607
12255	7 x 1	⅝	60	3545	563, 607
12252	8 x 1	⅝	36	3820	658, 614
12253	8 x 1	⅝	60	3820	658, 614
21079	10 x 1	¾	36	2480	617
21080	10 x 1	¾	60	2480	617
12202	10 x 1	1	36	2480	564
12211	10 x 1	1	60	2480	564

NOTE: Before using any grinding wheel, be sure its safe operating speed (shown on wheel blotter) is not exceeded by the free speed of the tool (shown on nameplate). Use only on tools with proper safety guards.

#### **E** WIRE WHEEL BRUSHES—for Portable or Bench Grinders

Heavy duty wire wheel brushes ideally suited for removing paint, scale, rust, stains, buffing, deburring and finishing metals. Brushes can be used with either portable or stationary grinders.

part no.	diameter	std. arbor	face width	wire size
21033	4"	½	7/8"	.014
21034	6"	½	13/16"	.0104
21035	6"	½	13/16"	.014
21036	7"	⅝	7/8"	.0104
21037	7"	⅝	7/8"	.014
21038	8"	⅝	1 1/4"	.020
21039	8"	⅝	1 1/4"	.014
21040	10"	¾	1 1/4"	.020
21041	10"	¾	1 1/4"	.014

#### ARBOR ADAPTERS (pairs)—For Wire Wheel Brushes

for changing arbor dia. of wire wheel brushes indicated in right column below.

part no.	provides arbor dia. of . . .	for brushes
21042	½	6", 7" and 8" Dia.
21043	⅝	6", 7" and 8" Dia.
21044	¾	7", 8" and 10" Dia.
21045	1	8" and 10" Dia.

# SKIL METAL SHEARS

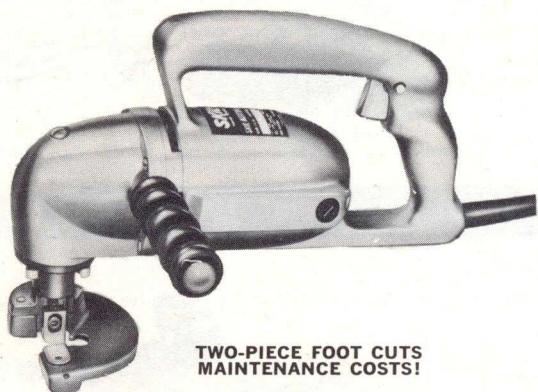


TWO-PIECE FOOT CUTS  
MAINTENANCE COSTS!

## 16-GAUGE MODEL 17

Excellent for all around use in sheet metal shops . . . industrial production and maintenance. Cuts hot rolled steel up to 16 gauge, other materials in proportion.

Lightweight, compact—cradles right in the hand for easy “one hand” control in any position. Slide switch located on top for easy thumb-reach. Deflector plate minimizes curling of metal. Cutting head permits 1" minimum radius of cut. Extra-strong, forged, two-piece foot for low cost maintenance. Blades are easy to adjust. Slotted armature shaft quickly aligns blade during adjustment. Use No. 11316 Blade Sharpening Fixture (see accessories below) to keep blades sharp for fast cutting at all times.



TWO-PIECE FOOT CUTS  
MAINTENANCE COSTS!

## 12-GAUGE MODEL 231

More powerful shear for cutting heavier gauge metals in sheet metal shops, auto body shops, truck body plants, building trades, and in general industrial production applications. Cuts a broad range of sheet metals, hot rolled steel up to 12 gauge and other metals (harder and softer) in proportion.

Has side handle and double-grip top handle for easy control even in awkward positions. Trigger switch locks “on” for extra convenience. Has minimum cutting radius of only 1½". Double row of ball bearings on eccentric shaft for rugged, accurate performance through years of use.

Two piece, forged steel foot cuts maintenance costs. Blades are easy to adjust for varying gauges of material and types of metal. Slot in armature shaft permits easy blade alignment during adjustment. Use No. 11316 Blade Sharpening Fixture (see accessories below) with any bench grinder to keep blades sharp for maximum efficiency.

## SPECIFICATIONS

**equipment:** Set of blades; necessary wrenches; removable side handle for right or left-hand use (Model 231 only); 3-wire cord and plug.

**motors:** Universal, D.C. or A.C. up to 60 cycles. 115 volts unless another voltage is specified on order.

**switches:** Enclosed momentary contact type with locking pin on Model 231. Slide switch on Model 17.

**bearings:** Sealed, permanently lubricated ball bearings throughout.

model no.	max. gauge, hot rolled steel	min. cutting radius, in.	no-load speed, strokes per min.	amp. rating at 115V	overall length in.	net weight lbs.	shpg. weight lbs.
17	16	1	2000	2.8	9	5½	8
231	12	1½	2500	6.5	13	12	16

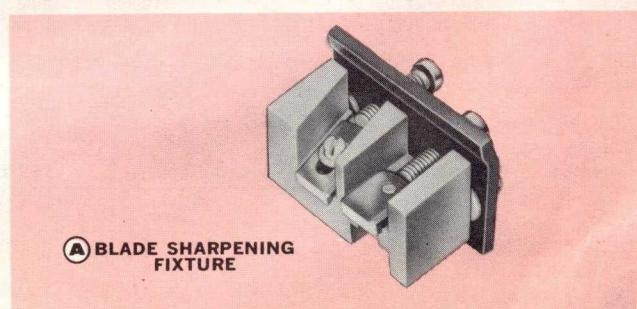
## Ⓐ NO. 11316 BLADE SHARPENING FIXTURE

Sharp blades are necessary for full shear efficiency, easier operation and minimum shear maintenance! This fixture permits anyone to precision-grind both blades of Model 17 or 231 simultaneously on any bench grinder. Illustration shows pair of blades mounted in fixture.

## REPLACEMENT SHEAR BLADES

type blade	model 17	model 231
Moving Stationary	Part No. 4076 Part No. 4078	Part No. 10711 Part No. 10710

## SKIL SHEAR ACCESSORIES



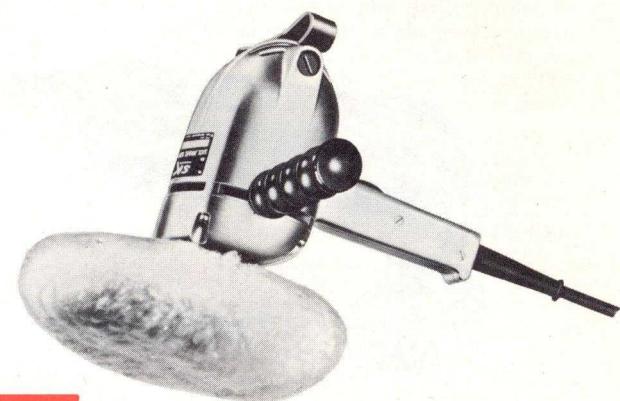
Ⓐ BLADE SHARPENING  
FIXTURE

# SKIL POLISHERS

## ELECTRIC AND AIR MODELS

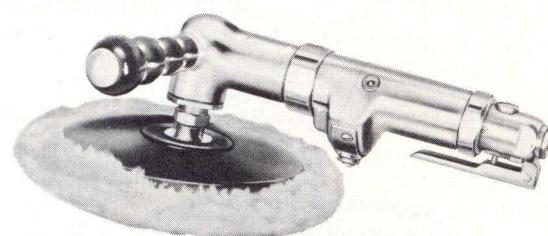
### 7" ELECTRIC MODEL 570 standard-duty

A full-powered tool of compact design for use in small garages, service stations, dealer service departments, car washes . . . anywhere polishing is done intermittently. Well balanced and very easy to handle either on or off work surface . . . lighter than many less powerful tools. Includes removable side handle which may be replaced with No. 21500 Magic Handle for faster, more convenient polishing (see next page).



### 7" AIR MODEL 1036 standard-duty

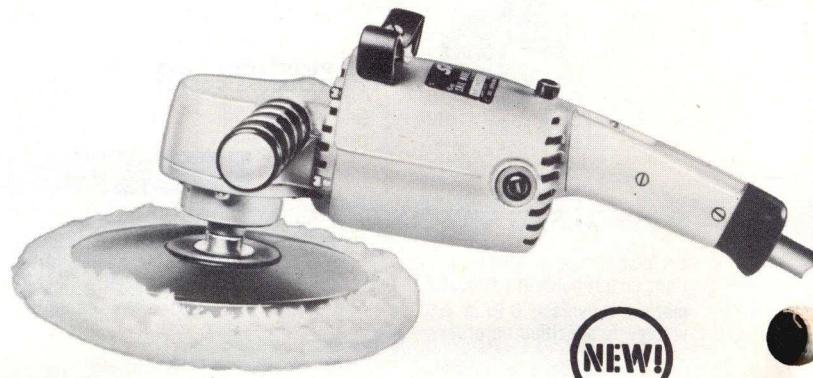
Features a new high torque motor that develops twice the power than before, yet uses less air! This means that speed is maintained even on tough compounding or cleaning jobs. Other features include convenient lever throttle, comfortable hand grip, side handle that may be replaced with No. 21500 Magic Handle. See next page for information on accessories.



### 7" ELECTRIC MODEL 1145 heavy-duty

Now at last — a truly lightweight polisher with all the power of heavier models

This compact powerhouse actually weighs 30% less than other makes with comparable power. That's because it's the only polisher with patented Helicon gearing that delivers exceptional power, permits compact design for reaching deep contours and confined areas. Also has exclusive "Super Burnout-Protection" motor that withstands repeated overloading. Model 1145 is excellent for every kind of polishing job — from badly oxidized finishes to high speed polishing of the latest acrylics. Other features include ball bearing construction; recessed "thumb-tip" switch; protective neoprene covered tool rests at top; rubber boot at back end of handle. Side handle mounts on either side or may be replaced with No. 21500 Magic Handle. See next page for polisher accessories.



## SPECIFICATIONS

**equipment:** all models include No. 4679 molded rubber backing pad, side handle, 3 wire cord and plug (except 1036).

Model 570 includes No. 4711 bonnet, No. 6496 sponge rubber polishing cushion, No. 4699 long pad nut, No. 2427 short pad nut, No. 2445 wrench.

Model 1036 includes No. 22691 wool polishing pad, No. 2427 short pad nut and No. 2445 wrench.

Model 1145 includes No. 22691 wool polishing pad, No. 2427 short pad nut, No. 2445 wrench, side handle, rubber boot, neoprene covered tool rest.

**motors:** Universal D. C. or A. C. up to 60 cycles (except 1036). 115 volts unless otherwise specified on order.

**switches:** Model 570 has enclosed slide type. Model 1036 has lever throttle. Model 1145 has recessed "thumb-tip" toggle type.

**spindle diameter:**  $\frac{5}{8}$ "—11 thread.

**bearings:** Model 570, 1145 ball bearing construction; Model 1036 all ball bearing.

model no.	duty rating	pad diam.	115V amp. rating	overall length*	net weight, lbs.	shpg. weight, lbs.
570	standard	7"	5.5	9½"	7	13
1036	standard	7"	—	10¼"	4½	5
1145	heavy	7"	6.5	13¾"	7	13

\*Not including pad

**(A) NO. 21500 MAGIC HANDLE DISPENSER\*†**

Applies any liquid polish or cleaner with push button action. Easily attaches to polisher in place of regular handle. Has flexible, non-scratch spout that applies polish away from bonnet to prevent soaking. Furnished with 3 adapters to fit current SKIL Models 570, 1036, 1145, former Models 186, 196 and most other makes of polishers.

**(B) NO. 22691 WOOL POLISHING PAD†**

7/8" Hole; 7 1/2" diameter. Has deep tufted, lambswool nap firmly attached to strong canvas back. Far outlasts ordinary pads or bonnets.

**(C) NO. 4711 WOOL BONNET†**

Genuine lambswool, deep pile bonnet with hood and draw string. Use with sponge rubber backing pads.

**(D) NO. 6622 PILE FABRIC PAD†**

For polishing or rubbing down newly sprayed finishes. Woven wool pile smooths and blends faster, lasts long.

**(E) NO. 2462 FELT PAD†**

Highest quality, durable, useful for wide variety of rubbing and burnishing operations with special rubbing compounds.

**Backing Pads†**

**No. 4679**—7" Molded Rubber Back Pad, as furnished with all SKIL Polishers.

**No. 6496**—7" Sponge Rubber Pad, same as furnished with Model 570, former Model 186.

**Additional Polisher Accessories**

**No. 22895**—Disc Pad Nut, for use with former Model 196.

**No. 22881**—Pad Nut Lock Screw, for former Model 196. Clamps polishing pad and disc pad nut on polisher spindle.

**No. 4036**—Hex Key for No. 22881 lock screw.

†**No. 4699**—Long Pad Nut. Clamps sponge rubber and backing pads to spindle.

†**No. 2427**—Short Pad Nut for use with No. 22691 pad.

†**No. 2445**—Pad Nut Wrench for No. 4699 pad nut.

†**No. 18305**—1/4" Chuck and Key. Converts polishers to 1/4" drill.

Threads on spindle. No. 1755 key included.

**(A) AIR HOSES**

High quality, oil and abrasive resistant hoses with male pipe threads at each end.

hose length	hose diameter	male pipe threads	part no.
8'	1/4"	1/4" and 1/8"	25397
8'	5/16"	1/4" at each end	15848
25'	3/8"	1/4" at each end	24345

**(B) NO. 24523—8' SUPER-THIN AIR HOSE**

Has 3/16" inside dia. Excellent where exceptional handling ease and maximum flexibility are desired. Recommended only for Skil Air Tools because of their low air consumption.

**SOCKET AND PLUGS**

Quick connector types, have valves that close automatically when tools are detached. Provide maximum air flow for highest operating efficiency.

†**C No. 15390**—1/4" Female Socket

†**D Male Plugs: No. 15392**—1/4" No. 15393—1/8"

**AIR LINE ACCESSORIES**

A pressure regulator and gauge, oiler and filter should be used with each air tool. This will minimize maintenance costs because lubrication and clean, dry air at proper pressure increase tool life.

**(E) No. 15396 Filter**

Removes dirt and moisture from air line. 1/2 pint capacity, 3/8" female pipe threads.

**(F) No. 15395 Line Oiler**

Has 1/2 pint capacity, 3/8" female pipe threads.

**(G) No. 15397 Combination Line Oiler and Filter**

Consists of Nos. 15395 and 15396 connected with proper fitting for quick installation. Will supply one air tool.

**(H) No. 15398 Combination Air Pressure Regulator and Gauge**

Assures proper pressure at all times for maximum air tool operating efficiency. Has two 3/8" threaded pipe fittings for easy installation; large easy-to-read gauge.

**No. 24586 Air Motor Solvent**

For flushing and cleaning all air tools. Removes gum and dirt. Increases efficiency and life.

\*Patent Applied For †May be used with any SKIL and most other make polishers.

# SKIL POLISHER ACCESSORIES



**(A)** "MAGIC  
HANDLE"  
POLISH  
DISPENSER



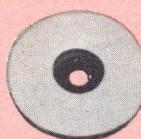
**(B)** WOOL POLISHING PAD



**(C)** WOOL BONNET



**(D)** PILE FABRIC PAD



**(E)** FELT PAD

## GENERAL AIR ACCESSORIES



**(A)** AIR HOSE



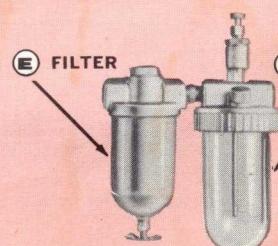
**(B)** SUPER-THIN  
AIR HOSE



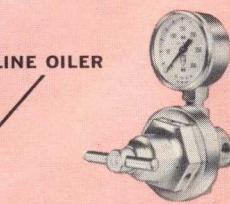
**(C)** FEMALE SOCKET



**(D)** MALE PLUG



**(E)** FILTER  
**(F)** LINE OILER



**(G)** COMBINATION LINE  
OILER AND FILTER  
**(H)** AIR PRESSURE  
REGULATOR AND GAUGE

# SKIL

## GENERAL TOOL ACCESSORIES

### Extension Cords (heavy duty)

Manufactured of heavy-duty, flexible, stranded copper. All rubber covered . . . assures long life under severe outdoor service.

SKIL Power Tools, when used with extension cords, *require cords of sufficient gauge size to prevent harmful drop in voltage when tool is under load*. Distance from outlet governs size required. It is essential to use heavier gauge wire as distance from outlet increases.

### Extension Cords with Plugs

3-conductor type with approved grounding type 115 volt plugs.

no.	length, ft.	gauge
16146	50	16
16147	100	16
16148	50	14
16149	100	14
16150	50	12
16151	100	12
16152	100	10

### Extension Cords without Plugs

3-conductor type.

no.	length, ft.	gauge
432	50	14
433	100	14
434	50	12
435	100	12
436	100	10

### How to Select the Proper Size Extension Cord

Sizes recommended below are minimum required under ideal conditions. To be sure of getting full motor power and protection, use next heavier gauge.

#### Recommended Extension Cords For Skil Tools

(wire sizes indicated are B. & S. gauge)

extension cord length 115 V 220 V	0 to 2	tool nameplate amp. rating						16.1 to 20
		2.1 to 3.4	3.5 to 5	5.1 to 7	7.1 to 12	12.1 to 16		
25 Ft.	50 Ft.	16	16	16	16	14	12	
50 Ft.	100 Ft.	16	16	16	14	12	12	
75 Ft.	150 Ft.	16	16	14	12	10	10	
100 Ft.	200 Ft.	16	16	14	12	10	8	
200 Ft.	400 Ft.	16	14	12	10	8	6	
300 Ft.	600 Ft.	14	12	10	8	6	4	
400 Ft.	800 Ft.	12	10	8	6	4	4	
500 Ft.	1000 Ft.	12	10	8	6	4	2	

Note: For other than 115 volt or 220 volt tools, contact your SKIL Distributor or nearest SKIL Factory Service Center.

### Plugs

part no.		description	plug	for cord gauge up to
16153		approved grounding type, 115 volts	male female	14 14
16154				
16284		approved grounding type, 220 volts	male female	14 14
16285				
12912		twist-lock grounding type	male female male female	14 14 10 10
12913				
430				
431				

### No. 13722 Adapter

Adapts new type 3-prong grounding plugs to standard 2-cavity outlets.

### Lubricants

Always use genuine SKIL Lubricants to insure positive lubrication even under severe operating conditions. Refer to the Instruction Manual packed with specific tool for complete lubrication information. When ordering lubricant consult chart below for proper part number.

### SKIL LUBRICANT CHART

for following SKIL tools	order lubricant part no.
DRILLS—all models and types	252 (5 oz. tube) or
DRIVERS—all models and types	251 (2 lb. can)
GRINDERS, portable—all models and types	
GRINDERS, disc—all models and types	
HAMMERS, air—all models and types	20525 (pint) or 23144 (½ gal.)
POLISHERS— Models 570, 1036, 186, 196 all types	252 (5 oz. tube) or 251 (2 lb. can)
Model 1145 all types	25667 (6 oz. tube)
ROTO-HAMMERS— Models 726, 736: all types—gear case only	252 (5 oz. tube) or 251 (2 lb. can)
all types—cylinder and piston	20525 (pint) or 23144 (½ gal.)
Models 706, 1706: all types—gear case only	252 (5 oz. tube) or 251 (2 lb. can)
all types—barrel	25667 (6 oz. tube)
SANDERS, belt— Models 323, 324, 448, 449, 505: all types—gear case only	249 (5 oz. tube) 264 (pint) 267 (½ gal. can)
all types—chain case	252 (5 oz. tube) or 251 (2 lb. can)
Models 805, 445 all types	252 (5 oz. tube) or 251 (2 lb. can)
SANDERS, disc— Models 551, 852, 853, 854 all types	252 (5 oz. tube) or 251 (2 lb. can)
Model 1140 all types	25667 (6 oz. tube)
SAWS, chain—605, 606 all types	252 (5 oz. tube) or 251 (2 lb. can)
SAWS, circular— Models 856, 857, 858, 860 all types	252 (5 oz. tube) or 251 (2 lb. can)
Models 77 type 3 up and models 107, 117, 127, 367, 825 all types	249 (5 oz. tube) or 264 (pint) or 267 (½ gal. can)
Model 2127: all types—gear case only	249 (5 oz. tube) or 264 (pint) or 267 (½ gal. can)
all types—air motor	20525 (pint) or 23144 (½ gal. can)
SAWS, jig—Model 160 all types	252 (5 oz. tube) or 251 (2 lb. can)
SAWS, recipro—all models and types	252 (5 oz. tube) or 251 (2 lb. can)
SHEARS, metal—all models and types	252 (5 oz. tube) or 251 (2 lb. can)
WRENCHES, impact— Model 823 all types	25667 (6 oz. tube)
All Air Models: for impact mechanism	24336 (pint)
for air motor, oil reservoir and line oilers	20525 (pint) or 23144 (½ gal. can)

# 42 CONVENIENT FACTORY SERVICE CENTERS

Each of these Skil Factory Service Centers provides fast, expert servicing and repair of Skil Power Tools using only genuine original equipment replacement parts. This is part of our policy of helping you get maximum life and dollar savings from your Skil Power Tools.



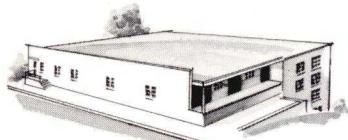
LOCATION	ADDRESS	PHONE NO.
Atlanta 18, Ga.	1890 Marietta Blvd., N.W.	SY 9-1421
Baltimore 13, Md.	3533 Belair Road	OR 5-1661
Birmingham 4, Ala.	806 N. Fifth Ave.	FA 2-6202
Boston, (Brighton) 35, Mass.	119 N. Beacon St.	AL 4-4560
Buffalo 12, N.Y.	1800 Broadway	TX 5-1924
Charlotte 3, N.C.	1815 S. Tryon St.	FR 5-8429
Chicago 46, Ill.	5617 Northwest Highway	763-8906
Chicago 52, Ill.	3259 W. Columbus Ave.	HE 6-1555
Cincinnati 29, Ohio	1361 Tennessee Ave.	ME 1-8382
Cleveland 14, Ohio	3038 Payne Ave.	MA 1-8136
Dallas 26, Texas	4014 Elm St.	TA 4-1674
Denver 4, Colorado	678 Bryant St.	623-2939
Des Moines 17, Iowa	2100 E. University Ave.	AM 5-3275
Detroit 21, Mich.	17160 Wyoming Ave.	UN 1-6652
Houston 3, Texas	324 N. Hutcheson St.	CA 4-9178
Indianapolis 27, Ind.	3304 Madison Ave.	ST 7-1397
Kansas City 8, Mo.	1662 Broadway	BA 1-1766
Los Angeles 22, Calif.	5455 East Washington Blvd.	OV 5-6760
Los Angeles (N. Hollywood), Cal.	13237 Saticoy St.	PO 5-5782
Memphis 4, Tenn.	558 S. Cooper St.	BR 6-4578
Miami 47, Fla.	2745 N.W. 75th St.	OX 6-3721

LOCATION	ADDRESS	PHONE NO.
Milwaukee 13, Wis.	6108 West Bluemound Road	GL 3-1872
Minneapolis 5, Minn.	2207 Lyndale Ave., South	FE 9-4563
Newark (Hillside) 5, N.J.	611 U.S. Highway 22	MU 6-6350
New Orleans 15, La.	3501 Tchoupitoulas St.	TW 9-6300
New York (Woodside, L.I.) 77, N.Y.	63-24 Roosevelt Ave.	OL 1-9600
Oakland 1, Cal.	3960 East 14th St.	KE 4-5726
Oklahoma City 4, Okla.	1535 W. Reno St.	CE 6-0170
Philadelphia 23, Pa.	749 Spring Garden St.	WA 3-3570
Phoenix 8, Arizona	3123 E. McDowell Road	BR 5-7242
Pittsburgh 1, Pa.	3221 Liberty Ave.	CO 1-6457
Portland 13, Oregon	5616 N.E. Glisan St.	BE 4-7418
San Diego 20, Cal.	5837 Mission Gorge Rd.	282-5151
San Francisco 3, Cal.	1147 Mission St.	UN 3-0814
Seattle 99, Washington	314 Second Ave., West	AT 4-4147
Spokane 24, Washington	E. 2226 Riverside	KE 5-1754
St. Louis 10, Mo.	1238 S. Vandeventer Ave.	JE 5-7424
Syracuse 10, N.Y.	1014 E. Fayette St.	GR 5-4454
Montreal 15, Quebec, Can.	480 Ogilvy Ave.	CR 3-3326
Toronto 9, Ontario, Can.	3601 Dundas St., W.	RO 6-2328
Vancouver 6, B.C., Can.	1606 E. Hastings	AL 3-7751
Mexico 6, D.F., Mexico	Abraham Gonzales No. 94	46-71-43

**A TOTAL OF 113 SERVICE OUTLETS**—In addition to the 42 SKIL Factory Service Centers listed above, there are 71 SKIL Authorized Service Stations located throughout the United States. See your phone book Yellow Pages under "Tools—Electric" for the location nearest you.

## SIX MODERN MANUFACTURING PLANTS

SKIL products are precision-built in efficient, modern plants to give you more for your tool dollar.



SAW BLADE PLANT  
MIDDLEPORT, N.Y.



ACCESSORY PLANT  
HIALEAH GARDENS, FLA.



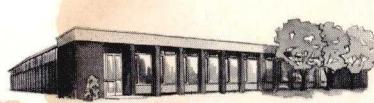
DIE CASTING PLANT  
MAYWOOD, ILL.



SKILTOOLS LIMITED  
TRENTON, ONTARIO, CANADA



MAIN PLANT AND GENERAL OFFICES  
CHICAGO, ILLINOIS



SKIL N.V.  
BREDA, THE NETHERLANDS

... and for additional distributor and customer service

SKIL EAST COAST WAREHOUSE  
HILLSIDE (NEWARK), NEW JERSEY

SKIL WEST COAST WAREHOUSE  
SAN LEANDRO, CALIFORNIA

SKIL OWNED SALES & SERVICE FACILITIES IN THESE OVERSEAS CITIES . . . BRUSSELS, BELGIUM  
PARIS, FRANCE • STUTTGART, GERMANY  
BREDA, NETHERLANDS . . . Plus authorized service and sales outlets in major cities throughout the world.

# QUICK-FIND INDEX

FAST WAY TO FIND

GENERAL SECTIONS OF THIS CATALOG

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22	SANDERS, <i>finishing</i>
24	SANDERS, <i>belt</i>
26	PLANES
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31	DRILLS
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52	SANDERS, <i>disc</i>
54	GRINDERS, <i>disc</i>
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63	SHEARS
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